

BY

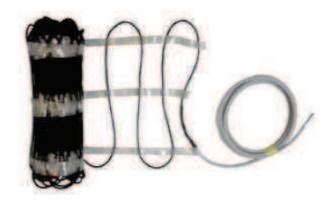




ELECTRIC HEATING SYSTEMS

BY





CATALOG AND PRICE LIST 2012



BY



CATALOG AND PRICE LIST 2012



Which is the best way to introduce ourselves? Through what we create and what we say.

Each field of the worldwide industrial production has always set as priority goal profit and gain at the expenses of our ecosystem. Nowadays, the great level of earth pollution forces people to change their mind and investigate new ways of creating an healthy world.

C DESIGN wants to give you the chance to test this ECOPROGRESS in order to let you live a better daily life. We think of you even before starting to design heating for your house: we think of you, your necessities expectations.

C DESIGN research and development department is always studying new manners of giving you maximum comfort, creating a completely satisfying habitat. Moreover, we comes out from a long lasting experience in manufacturing heating elements, cables and systems in general.

Always facing on new house exigencies, we try to shape our work and develop new heating technologies.

MISSION

Our great level of attention towards environment problems is obliging us to look for an eco-friendly technologic development. Reducing emission in the atmosphere is one of the most important goal for improving air quality. This is also our key purpose: C DESIGN spreads heat and comfort in each corner of your building. Our mission is to heat your desires always remembering that design must be accessible and respectful towards human being, earth, air and water.

RESPECT OF VALUES

Ergonomics is the study of designing equipments and devices that fit human body and space conception. This scientific subject help us to understand methods, systems and projects which can augment comfort and relax inside our house.

Everyone has its own personal need: accordingly, C DESIGN studies every singular detail in order to let people living a better life. This is the reason why we are particularly proud of projects we have developed until now.

Like a dressmaker who creates a tailored dress, C DESIGN realizes its products upon customers' need and request.



Calorflex is a new, dynamic innovative and reliable company, specialized in the construction and distribution of very high quality electric resistances. The excellence og Calorflex Company's Quality System is guaranteed by **UNI EN ISO 9001:2008** certification.

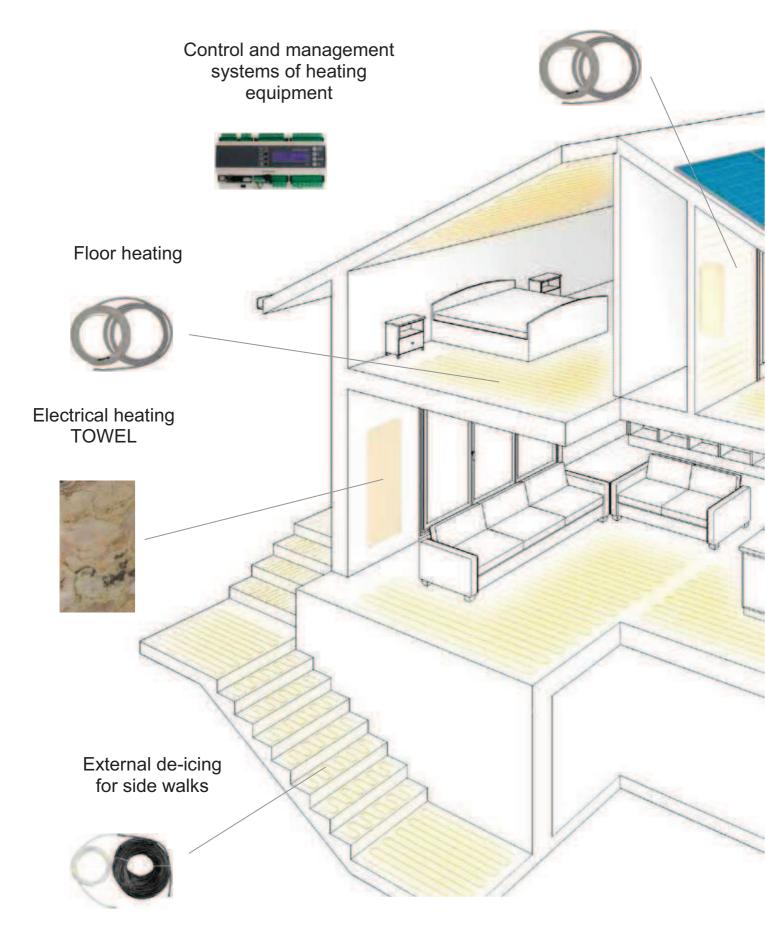








Wall heating



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External de-icing for photovoltaic modules External de-icing for roofs and gutters Control and management systems of de-icing equipment External deicing for ramps

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1 - ELECTRICAL HEALTING: TOWEL
2 - HEATING CABLES
3 - HEATING FILMS
4 - CONTROL SYSTEMS
5 - TECNICAL SHEETS



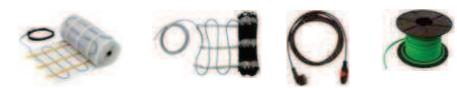


































RADIATOR TOWEL

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STONE page 12



WOOD page 20



GLASS page 34



METAL page 42





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RADIATOR TOWEL CERTIFICATIONS





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The desert heat
dominates your house
with ochre,
saffron and ivory waves.
This is the new C
DESIGN
radian panel, the ideal
solution for style and
elegance
lovers. It combines a
fully satisfying electrical
heating
with a great level of
fashion and design.

SAHARA TOWEL



- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with the directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 2 mm of natural sandtone pre-treated with stain-resistant products
- Certification
- Every stone surface of this device has its own peculiar features which depend both on minerals and climate conditions of the place of origin. Accordingly, colours and patterns represented by pictures in the catalogue are merely demonstrative. For that reason, stones which belong to the same class can have different characteristics from each other.
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90.

MADE IN ITALY

SAHARA TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Sahara 350	010110101	350 W		700*500*55	13 kg
VERTICAL	Sahara 500	010120101	500W		1100*500*55	20 kg
VERTICAL	Sahara 750	010130101	750 W		1600*600*55	35 kg
	Sahara 1000	010140101	1000 W		1600*600*55	35 kg
HORIZON.	Sahara 350	010110102	350 W		700*500*55	13 kg
HORIZON.	Sahara 500	010120102	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg



THERMOREGULATOR

C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV Tel. +39 0422 854199 fax +39 0422 854735 www.cdesignsystem.it info@cdesignsystem.it

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AUTUMN TOWEL

This is a radiant panel covered with multicoloured stone which lead us to think to Mediterranean coasts and terracotta. It is particularly indicated in buildings with bright furniture and pastel-coloured spaces. This type of panel can be perfectly used and adapted everywhere: in the mountains, in the seaside, in the city centre, etc..



- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2,in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 2 mm of natural sandtone pre-treated with stain-resistant products
- Certification 🤇
- Every stone surface of this device has its own peculiar features which depend both on minerals and climate conditions of the place of origin. Accordingly, colours and patterns represented by pictures in the catalogue are merely demonstrative. For that reason, stones which belong to the same class can have different characteristics from each other.
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

AUTUMN TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Autumn 350	010110201	350 W		700*500*55	13 kg
VERTICAL	Autumn 500	010120201	500W		1100*500*55	20 kg
VERTICAL	Autumn 750	010130201	750 W		1600*600*55	35 kg
	Autumn 1000	010140201	1000 W		1600*600*55	35 kg
HORIZON.	Autumn 350	010110202	350 W		700*500*55	13 kg
HORIZON.	Autumn 500	010120202	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg



THERMOREGULATOR

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SILVER SHINE TOWEL

Magnificent ideas, attention to details and the endless Italian appeal: these are C DESIGN keywords.
Our company is always paying attention to house heating without forgetting design and materials.
Silver shine is a radiant wall panel coated with silver-coloured natural stone, containing a lot of fashionable faint sea reflexes.



- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 2 mm of natural sandtone pre-treated with stain-resistant products
- Certification
- Every stone surface of this device has its own peculiar features which depend both on minerals and climate conditions of the place of origin. Accordingly, colours and patterns represented by pictures in the catalogue are merely demonstrative. For that reason, stones which belong to the same class can have different characteristics from each other.
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

SILVER SHINE TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight	
VERTICAL	Silver Shine 350	010110301	350 W		700*500*55	13 kg	
VERTICAL	Silver Shine 500	010120301	500W		1100*500*55	20 kg	
HORIZON.	Silver Shine 350	010110302	350 W		700*500*55	13 kg	
HURIZUN.	Silver Shine 500	010120302	500W		1100*500*55	20 kg	
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg	
ACCESSOR.	Tehrmoregul.	010000200	Left			0,43 kg	
	<u> </u>	<u>'</u>	<u> </u>	<u> </u>	<u> </u>	<u>'</u>	



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BLACK LINE TOWEL

Elegant, aggressive it is characteristic for its peculiar pattern, which enhances the beauty and the primitive origin of the stone. This exclusive dark radiant panel can be applied both to minimalist and abundant furnishings.



- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 2 mm of natural sandtone pre-treated with stain-resistant products
- Certification CE
- Every stone surface of this device has its own peculiar features which depend both on minerals and climate conditions of the place of origin. Accordingly, colours and patterns represented by pictures in the catalogue are merely demonstrative. For that reason, stones which belong to the same class can have different characteristics from each other.
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

BLACK LINE TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Black Line 350	010110401	350 W		700*500*55	13 kg
VERTICAL	Black Line 500	010120401	500W		1100*500*55	20 kg
VERTICAL	Black Line 750	010130401	750 W		1600*600*55	35 kg
	Black Line 1000	010140401	1000 W		1600*600*55	35 kg
HORIZON.	Black Line 350	010110402	350 W		700*500*55	13 kg
HORIZON.	Black Line 500	010120402	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg



THERMOREGULATOR









OLIVO TOWEL

- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 1 mm of wood pre-treated with stain-resistant products. Matt finish
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

MADE IN ITALY

OLIVO TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Olivo 350	010210111	350 W		700*500*55	13 kg
VERTICAL	Olivo 500	010220111	500W		1100*500*55	20 kg
VERT. W.	Olivo 750	010230111	750 W		1600*600*55	35 kg
	Olivo 1000	010240111	1000 W		1600*600*55	35 kg
	Olivo 350	010210121	350 W		700*500*55	13 kg
VERTICAL	Olivo 500	010220121	500W		1100*500*55	20 kg
HORIZ. W.	Olivo 750	010230121	750 W		1600*600*55	35 kg
	Olivo 1000	010240121	1000 W		1600*600*55	35 kg
HORIZON.	Olivo 350	010210112	350 W		700*500*55	13 kg
VERT. W.	Olivo 500	010220112	500W		1100*500*55	20 kg
HORIZON.	Olivo 350	010210122	350 W		700*500*55	13 kg
HORIZ. W.	Olivo 500	010220122	500W		1100*500*55	20 kg
			•		·	
ACCESSOR.	Thermoregul.	010000100	Right		•	0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg







HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE
WITH ESTIMATE





MADE IN ITALY

PALISSANDRO TOWEL

Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
Palissandro 350	010210211	350 W		700*500*55	13 kg
Palissandro 500	010220211	500W		1100*500*55	20 kg
Palissandro 750	010230211	750 W		1600*600*55	35 kg
Palissandro 1000	010240211	1000 W		1600*600*55	35 kg
Palissandro 350	010210221	350 W		700*500*55	13 kg
Palissandro 500	010220221	500W		1100*500*55	20 kg
Palissandro 750	010230221	750 W		1600*600*55	35 kg
Palissandro 1000	010240221	1000 W		1600*600*55	35 kg
Palissandro 350	010210212	350 W		700*500*55	13 kg
Palissandro 500	010220212	500W		1100*500*55	20 kg
Palissandro 350	010210222	350 W		700*500*55	13 kg
Palissandro 500	010220222	500W		1100*500*55	20 kg
	·				
Thermoregul.	010000100	Right		•	0,43 kg
Thermoregul.	010000200	Left			0,43 kg
	Palissandro 350 Palissandro 500 Palissandro 750 Palissandro 1000 Palissandro 350 Palissandro 500 Palissandro 750 Palissandro 750 Palissandro 350 Palissandro 350 Palissandro 500 Palissandro 500 Palissandro 500 Palissandro 500 Thermoregul.	Palissandro 350 010210211 Palissandro 500 010220211 Palissandro 750 010230211 Palissandro 1000 010240211 Palissandro 350 010210221 Palissandro 500 010220221 Palissandro 750 010230221 Palissandro 1000 010240221 Palissandro 350 010210212 Palissandro 500 010220212 Palissandro 500 010220222 Palissandro 500 010220222 Thermoregul. 010000100	Palissandro 350 010210211 350 W Palissandro 500 010220211 500W Palissandro 750 010230211 750 W Palissandro 1000 010240211 1000 W Palissandro 350 010210221 350 W Palissandro 500 010220221 500W Palissandro 750 010230221 750 W Palissandro 1000 010240221 1000 W Palissandro 350 010210212 350 W Palissandro 500 010220212 500W Palissandro 500 010210222 350 W Palissandro 500 010220222 500W Thermoregul. 010000100 Right	Palissandro 350 010210211 350 W Palissandro 500 010220211 500W Palissandro 750 010230211 750 W Palissandro 1000 010240211 1000 W Palissandro 350 010210221 350 W Palissandro 500 010220221 500W Palissandro 750 010230221 750 W Palissandro 1000 010240221 1000 W Palissandro 350 010210212 350 W Palissandro 500 010220212 500W Palissandro 500 010210222 350 W Palissandro 500 010220222 500W Thermoregul. 010000100 Right	Description Code Wattage (W) Colour (h*w*d) mm Palissandro 350 010210211 350 W 700*500*55 Palissandro 500 010220211 500W 1100*500*55 Palissandro 750 010230211 750 W 1600*600*55 Palissandro 1000 010240211 1000 W 1600*600*55 Palissandro 350 010210221 350 W 700*500*55 Palissandro 500 010220221 500W 1100*500*55 Palissandro 750 010230221 750 W 1600*600*55 Palissandro 1000 010240221 1000 W 1600*600*55 Palissandro 350 010210212 350 W 700*500*55 Palissandro 500 010220212 500W 1100*500*55 Palissandro 500 010220222 350 W 700*500*55 Palissandro 500 010220222 500W 1100*500*55 Thermoregul. 010000100 Right







HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE
WITH ESTIMATE





CARBALHO GRIGIO TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Carbalho 350	010210311	350 W		700*500*55	13 kg
VERTICAL	Carbalho 500	010220311	500W		1100*500*55	20 kg
VERT. W.	Carbalho 750	010230311	750 W		1600*600*55	35 kg
	Carbalho 1000	010240311	1000 W		1600*600*55	35 kg
	Carbalho 350	010210321	350 W		700*500*55	13 kg
VERTICAL	Carbalho 500	010220321	500W		1100*500*55	20 kg
HORIZ. W.	Carbalho 750	010230321	750 W		1600*600*55	35 kg
	Carbalho 1000	010240321	1000 W		1600*600*55	35 kg
HORIZON.	Carbalho 350	010210312	350 W		700*500*55	13 kg
VERT. W.	Carbalho 500	010220312	500W		1100*500*55	20 kg
HORIZON.	Carbalho 350	010210322	350 W		700*500*55	13 kg
HORIZ. W.	Carbalho 500	010220322	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right	-		0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg







HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE
WITH ESTIMATE







MADE IN ITALY

For the manual instruction look at page 90

LARICE AFFUMICATO TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Larice 350	010210411	350 W		700*500*55	13 kg
VERTICAL	Larice 500	010220411	500W		1100*500*55	20 kg
VERT. W.	Larice 750	010230411	750 W		1600*600*55	35 kg
	Larice 1000	010240411	1000 W		1600*600*55	35 kg
	Larice 350	010210421	350 W		700*500*55	13 kg
VERTICAL	Larice 500	010220421	500W		1100*500*55	20 kg
HORIZ. W.	Larice 750	010230421	750 W		1600*600*55	35 kg
	Larice 1000	010240421	1000 W		1600*600*55	35 kg
HORIZON.	Larice 350	010210412	350 W		700*500*55	13 kg
VERT. W.	Larice 500	010220412	500W		1100*500*55	20 kg
HORIZON.	Larice 350	010210422	350 W		700*500*55	13 kg
HORIZ. W.	Larice 500	010220422	500W		1100*500*55	20 kg
	_					
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg
A001330K.	Thermoregul.	010000200	Left			0,43 kg



VERTICAL WOODGRAIN



HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE WITH ESTIMATE



NOCE CANALETTO TOWEL



- Input voltage 230 Vac
- Protection Class I
- Electrical protection Level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 1 mm of wood pre-treated with stain-resistant products. Matt finish
- Certification 🥨
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

MADE IN ITALY

NOCE CANALETTO TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Noce 350	010210511	350 W		700*500*55	13 kg
VERTICAL	Noce 500	010220511	500W		1100*500*55	20 kg
VERT. W.	Noce 750	010230511	750 W		1600*600*55	35 kg
	Noce 1000	010240511	1000 W		1600*600*55	35 kg
	Noce 350	010210521	350 W		700*500*55	13 kg
VERTICAL	Noce 500	010220521	500W		1100*500*55	20 kg
HORIZ. W.	Noce 750	010230521	750 W		1600*600*55	35 kg
	Noce 1000	010240521	1000 W		1600*600*55	35 kg
HORIZON.	Noce 350	010210512	350 W		700*500*55	13 kg
VERT. W.	Noce 500	010220512	500W		1100*500*55	20 kg
HORIZON.	Noce 350	010210522	350 W		700*500*55	13 kg
HORIZ. W.	Noce 500	010220522	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right	·		0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg



VERTICAL WOODGRAIN



HORIZONTAL WOODGRAIN



THERMOREGOLATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE
WITH ESTIMATE



ROVERE TOWEL



- Input voltage 230 Vac
- Protection Class I
 - Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 1 mm of wood pre-treated with stain-resistant products. Matt finish
- Certification (€
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

ROVERE TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Rovere 350	010210611	350 W		700*500*55	13 kg
VERTICAL	Rovere 500	010220611	500W		1100*500*55	20 kg
VERT. W.	Rovere 750	010230611	750 W		1600*600*55	35 kg
	Rovere 1000	010240611	1000 W		1600*600*55	35 kg
	Rovere 350	010210621	350 W		700*500*55	13 kg
VERTICAL	Rovere 500	010220621	500W		1100*500*55	20 kg
HORIZ. W.	Rovere 750	010230621	750 W		1600*600*55	35 kg
	Rovere 1000	010240621	1000 W		1600*600*55	35 kg
HORIZON.	Rovere 350	010210612	350 W		700*500*55	13 kg
VERT. W.	Rovere 500	010220612	500W		1100*500*55	20 kg
HORIZON.	Rovere 350	010210622	350 W		700*500*55	13 kg
HORIZ. W.	Rovere 500	010220622	500W		1100*500*55	20 kg
ACCESSOR.	Thermoregul.	010000100	Right	-		0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg







HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE WITH ESTIMATE



PINO NODATO TOWEL

- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 1 mm of wood pre-treated with stain-resistant products. Matt finish
- Certification CE
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

PINO NODATO TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
VERTICAL VERT. W.	Pino 350	010210711	350 W		700*500*55	13 kg
	Pino 500	010220711	500W		1100*500*55	20 kg
	Pino 750	010230711	750 W		1600*600*55	35 kg
	Pino 1000	010240711	1000 W		1600*600*55	35 kg
VERTICAL HORIZ. W.	Pino 350	010210721	350 W		700*500*55	13 kg
	Pino 500	010220721	500W		1100*500*55	20 kg
	Pino 750	010230721	750 W		1600*600*55	35 kg
	Pino 1000	010240721	1000 W		1600*600*55	35 kg
HORIZON. VERT. W.	Pino 350	010210712	350 W		700*500*55	13 kg
	Pino 500	010220712	500W		1100*500*55	20 kg
HORIZON. HORIZ. W.	Pino 350	010210722	350 W		700*500*55	13 kg
	Pino 500	010220722	500W		1100*500*55	20 kg
		•				
ACCESSOR.	Thermoregul.	010000100	Right			0,43 kg
	Thermoregul.	010000200	Left			0,43 kg
HORIZON. HORIZ. W.	Pino 350 Pino 500 Thermoregul.	010210722 010220722 010000100	350 W 500W Right		700*500*55	13 kg 20 kg 0,43 kg







HORIZONTAL WOODGRAIN



THERMOREGULATOR



POSSIBILITY OF CUSTOMIZING WITH ILAY TECHNIQUE WITH ESTIMATE





SETA TOWEL

With this glass collection we want to reorganize your life space bringing our design and adjusting your habitat. Its elegance and perfection shapes your ideas and makes your building smile. This radiant panel can be installed in each space of your house, from bathroom to living room.

- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 4 mm tempered glass
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

SETA TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight	
	Seta 350	010310101	350 W	Black	700*500*55	11 kg	
	Seta 500	010320101	500W	Black	1100*500*55	17 kg	
AL	Seta 750	010330101	750 W	Black	1600*600*55	29 kg	
5	Seta 1000	010340101	1000 W	Black	1600*600*55	29 kg	
VERTIC	Seta 350	010310201	350 W	Brown	700*500*55	11 kg	
>	Seta 500	010320201	500W	Brown	1100*500*55	17 kg	
	Seta 750	010330201	750 W	Brown	1600*600*55	29 kg	
	Seta 1000	010340201	1000 W	Brown	1600*600*55	29 kg	
	Seta 350	010310102	350 W	Black	700*500*55	11 kg	
HORIZONT.	Seta 500	010320102	500W	Black	1100*500*55	17 kg	
HORIZONT.	Seta 350	010310202	350 W	Brown	700*500*55	11 kg	
	Seta 500	010320202	500W	Brown	1100*500*55	17 kg	
ď	Thermoregul.	010000100	Right			0,43 kg	
SOF	Thermoregul.	010000200	Left			0,43 kg	
ES	Quadro	010000001	•		490*40*80	0,57 kg	
္ပ	Touch	010000002			510*50*80	0,37 kg	
¥	Logic *	010000003			510*30*80	0,70 kg	
				<u> </u>	·		

^{*} Only for Seta 750 and Seta 1000



BLACK RAL 9005





RAL 3009





POSSIBILITY OF
COSTUMAZING WITH
SAND TECHNIQUE OR
COLOUR PRINT
WITH ESTIMATE



QUADRO



TOUCH



LOGIC

 $C\ DESIGN\ s.r.l. \quad via\ CHIESA,71 \quad 31047 - \ Loc.\ Negrisia - PONTE\ DI\ PIAVE - TV$ $Tel.\ +39\ 0422\ 854199 \quad fax\ +39\ 0422\ 854735 \quad \underline{www.cdesignsystem.it} \quad \underline{info@cdesignsystem.it}$

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ORLEANS TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight	
	Orleans 350	010410101	350 W	Black	700*500*55	11 kg	
	Orleans 500	010420101	500W	Black	1100*500*55	17 kg	
AL	Orleans 750	010430101	750 W	Black	1600*600*55	29 kg	
5	Orleans 1000	010440101	1000 W	Black	1600*600*55	29 kg	
VERTIC	Orleans 350	010410201	350 W	Brown	700*500*55	11 kg	
5	Orleans 500	010420201	500W	Brown	1100*500*55	17 kg	
	Orleans 750	010430201	750 W	Brown	1600*600*55	29 kg	
	Orleans 1000	010440201	1000 W	Brown	1600*600*55	29 kg	
	Orleans 350	010410102	350 W	Black	700*500*55	11 kg	
HORIZONT.	Orleans 500	010420102	500W	Black	1100*500*55	17 kg	
HORIZONT.	Orleans 350	010410202	350 W	Brown	700*500*55	11 kg	
	Orleans 500	010420202	500W	Brown	1100*500*55	17 kg	
ď	Thermoregul.	010000100	Right			0,43 kg	
SOF	Thermoregul.	010000200	Left			0,43 kg	
ES	Quadro	010000001			490*40*80	0,57 kg	
္ပ	Touch	010000002			510*50*80	0,37 kg	
¥	Logic *	010000003			510*30*80	0,70 kg	
							$\overline{}$

^{*} Only for Orleans 750 and Orleans 1000



BLACK RAL 9005



RAL 3009

THERMOREGOLATOR





POSSIBILITY OF
COSTUMAZING WITH
SAND TECHNIQUE OR
COLOUR PRINT
WITH ESTIMATE



QUADRO



TOUCH



LOGIC

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SHINING TOWEL

The stunning colours and reflexes are C DESIGN characteristic: our pieces of glass can be place everywhere in your house.

- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 4 mm tempered glass
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

SHINING TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Shining 350	010510101	350 W	Black	700*500*55	11 kg
	Shining 500	010520101	500W	Black	1100*500*55	17 kg
	Shining 750	010530101	750 W	Black	1600*600*55	29 kg
	Shining 1000	010540101	1000 W	Black	1600*600*55	29 kg
	Shining 350	010510201	350 W	Brown	700*500*55	11 kg
	Shining 500	010520201	500W	Brown	1100*500*55	17 kg
7	Shining 750	010530201	750 W	Brown	1600*600*55	29 kg
2	Shining 1000	010540201	1000 W	Brown	1600*600*55	29 kg
VERTICAL	Shining 350	010510301	350 W	Ecru	700*500*55	11 kg
>	Shining 500	010520301	500W	Ecru	1100*500*55	17 kg
	Shining 750	010530301	750 W	Ecru	1600*600*55	29 kg
	Shining 1000	010540301	1000 W	Ecru	1600*600*55	29 kg
	Shining 350	010510401	350 W	White	700*500*55	11 kg
	Shining 500	010520401	500W	White	1100*500*55	17 kg
	Shining 750	010530401	750 W	White	1600*600*55	29 kg
	Shining 1000	010540401	1000 W	White	1600*600*55	29 kg
	Shining 350	010510102	350 W	Black	700*500*55	11 kg
	Shining 500	010520102	500W	Black	1100*500*55	17 kg
A.	Shining 350	010510202	350 W	Brown	700*500*55	11 kg
HORIZZNTAL	Shining 500	010520202	500W	Brown	1100*500*55	17 kg
SZ:	Shining 350	010510302	350 W	Ecru	700*500*55	11 kg
Ď	Shining 500	010520302	500W	Ecru	1100*500*55	17 kg
	Shining 350	010510402	350 W	White	700*500*55	11 kg
	Shining 500	010520402	500W	White	1100*500*55	17 kg
~;	Thermoregul.	010000100	Right			0,43 kg
ACCESSOR	Thermoregul.	010000200	Left			0,43 kg
ESS	Quadro	010000001			490*40*80	0,57 kg
$\ddot{\varsigma}$	Touch	010000002			510*50*80	0,37 kg
<u> </u>	Logic *	010000003			510*30*80	0,70 kg
	* Only for Shining 75					-, - 5

^{*} Only for Shining 750 and Shining 1000



BLACK RAL 9005



BROWN RAL 3009



ECRU RAL 1001



WHITE RAL 9003



QUADRO



THERMOREGULATOR



POSSIBILITY OF COSTUMAZING WITH SAND TECHNIQUE OR COLOUR PRINT WITH ESTIMATE



TOUCH



LOGIC

C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV Tel. +39 0422 854199 fax +39 0422 854735 www.cdesignsystem.it info@cdesignsystem.it





OPAQUE TOWEL

Simple and elegant are C DESIGN characteristic: our pieces of glass can be place everywhere in your house

- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish: 4 mm tempered glass
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

OPAQUE TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Opaque 350	010610101	350 W	Black	700*500*55	11 kg
	Opaque 500	010620101	500W	Black	1100*500*55	17 kg
	Opaque 750	010630101	750 W	Black	1600*600*55	29 kg
	Opaque 1000	010640101	1000 W	Black	1600*600*55	29 kg
	Opaque 350	010610201	350 W	Brown	700*500*55	11 kg
	Opaque 500	010620201	500W	Brown	1100*500*55	17 kg
۲.	Opaque 750	010630201	750 W	Brown	1600*600*55	29 kg
VERTICAL	Opaque 1000	010640201	1000 W	Brown	1600*600*55	29 kg
[2]	Opaque 350	010610301	350 W	Ecru	700*500*55	11 kg
\$	Opaque 500	010620301	500W	Ecru	1100*500*55	17 kg
	Opaque 750	010630301	750 W	Ecru	1600*600*55	29 kg
	Opaque 1000	010640301	1000 W	Ecru	1600*600*55	29 kg
	Opaque 350	010610401	350 W	White	700*500*55	11 kg
	Opaque 500	010620401	500W	White	1100*500*55	17 kg
	Opaque 750	010630401	750 W	White	1600*600*55	29 kg
	Opaque 1000	010640401	1000 W	White	1600*600*55	29 kg
	Opaque 350	010610102	350 W	Black	700*500*55	11 kg
	Opaque 500	010620102	500W	Black	1100*500*55	17 kg
<u>A</u>	Opaque 350	010610202	350 W	Brown	700*500*55	11 kg
HORIZONTAL	Opaque 500	010620202	500W	Brown	1100*500*55	17 kg
SIZO	Opaque 350	010610302	350 W	Ecru	700*500*55	11 kg
Ď.	Opaque 500	010620302	500W	Ecru	1100*500*55	17 kg
_	Opaque 350	010610402	350 W	White	700*500*55	11 kg
	Opaque 500	010620402	500W	White	1100*500*55	17 kg
نہ	Thermoregul.	010000100	Right			0,43 kg
ACCESSOR.	Thermoregul.	010000200	Left			0,43 kg
ESS	Quadro	010000001			490*40*80	0,57 kg
25	Touch	010000002			510*50*80	0,37 kg
Ă	Logic *	010000003			510*30*80	0,70 kg
	* Only for 750 and O	20010 1000				

^{*} Only for 750 and Opaque 1000

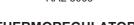


BLACK RAL 9005





BROWN RAL 3009





ECRU RAL 1001



WHITE **RAL 9003**



QUADRO



THERMOREGULATOR



POSSIBILITY OF COSTUMAZING WITH SAND TECHNIQUE OR **COLOUR PRINT** WITH ESTIMATE



TOUCH



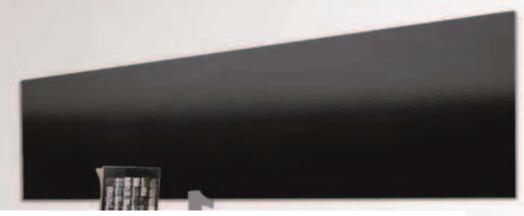
LOGIC

C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV



IRON TOWEL

These panels are simple, versatile and well-adaptable. These are C DESIGN characteristic steel arnished heaters. Their aesthetic simplicity and shining colours are suitable to each of your walls.



- Input voltage 230 Vac
- Protection Class I
- Electrical protection level IP44
- Operative temperature: 60 ÷ 80 °C
- On bathrooms this device can be installed as per zone 2, in compliance with directive IEC 364-7-701:1984
- Cable for electrical connection: 1 m long
- Painted steel structure
- Finish painted steel
 - Certification (€
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.

For the manual instruction look at page 90

IRON TOWEL

Installation	Description	Code	Wattage (W)	Colour	Dimension (h*w*d) mm	Weight
	Iron 350	010710101	350 W	Black	700*500*55	13 kg
	Iron 500	010720101	500W	Black	1100*500*55	20 kg
	Iron 750	010730101	750 W	Black	1600*600*55	35 kg
	Iron 1000	010740101	1000 W	Black	1600*600*55	35 kg
AL	Iron 350	010710401	350 W	White	700*500*55	13 kg
5	Iron 500	010720401	500W	White	1100*500*55	20 kg
VERTIC	Iron 750	010730401	750 W	White	1600*600*55	35 kg
>	Iron 1000	010740401	1000 W	White	1600*600*55	35 kg
	Iron 350	010710501	350 W	Gray	700*500*55	13 kg
	Iron 500	010720501	500W	Gray	1100*500*55	20 kg
	Iron 750	010730501	750 W	Gray	1600*600*55	35 kg
	Iron 1000	010740501	1000 W	Gray	1600*600*55	35 kg
	Iron 350	010710102	350 W	Black	700*500*55	13 kg
<u> </u>	Iron 500	010720102	500W	Black	1100*500*55	20 kg
NO	Iron 350	010710402	350 W	White	700*500*55	11 kg
HORIZONTAL	Iron 500	010720402	500W	White	1100*500*55	20 kg
9	Iron 350	010710502	350 W	Gray	700*500*55	13 kg
	Iron 500	010720502	500W	Gray	1100*500*55	20 kg
~	Termoregol.	010000100	Right			0,43 kg
ACCESSOR.	Termoregol.	010000200	Left			0,43 kg
ESS	Quadro	010000001			490*40*80	0,57 kg
$\ddot{\varsigma}$	Touch	010000002			510*50*80	0,37 kg
¥	Logic *	010000003			510*30*80	0,70 kg

^{*} Only with Iron 750 and Iron 1000



BLACK RAL 9005



GRAY RAL 9022

THERMOREGULATOR



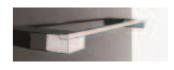
WHITE







QUADRO



LOGIC

 $C\ DESIGN\ s.r.l. \quad \ \ via\ CHIESA,71\quad 31047\ -\ Loc.\ Negrisia\ -\ PONTE\ DI\ PIAVE\ -\ TV$



HEATING CABLES

Internal cable ICA page 48



Internal cable ICAS page 52





Internal cable ICAR page 56



External cable ECA page 60



External cable ECAS page 64



External cable ECAR page 66



Anti-icing cable CAG page 68



Constant power cable SOC – CP page 70



Self-regulating cable CSC – ISC page 72

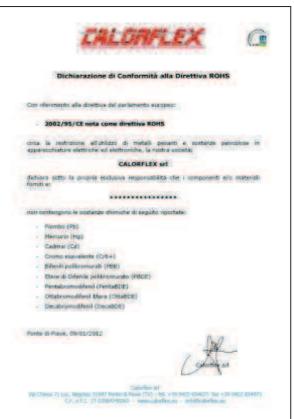


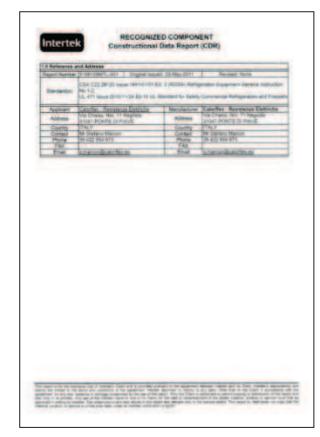
45

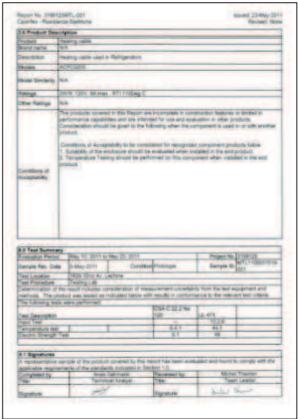


HEATING CABLES CERTIFICATIONS



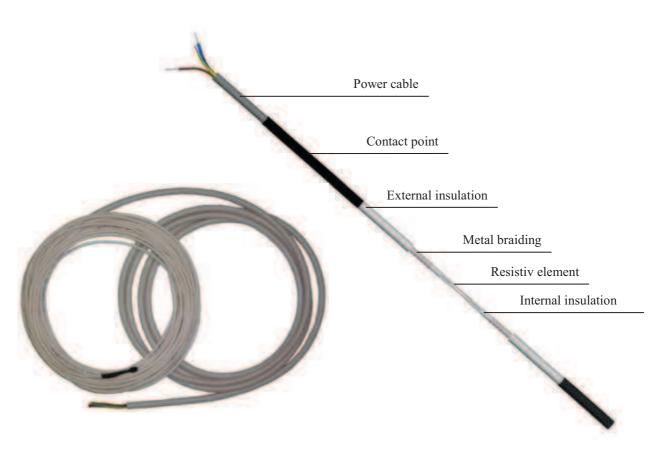








ICA



- Structure of the cable: heating cable with double conductor resistive
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 14 wire Ø0,3 mm tinned copper
- External insulation of the cable: resistant to 105°C 0,8 mm
- Outer diameter of the cable: 3,5 ÷ 4,5 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 4 m
- UV protection: NO
- Self extinguishing cable: YES
- Colour of the cable: White
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification (€
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

For the manual instruction look at page 92

ICA: INTERNAL CABLE HANK

	Description	Code	Power	Leght warm cable	Weight	
•	ICA 10-65	021010001	65 W	6,6 m	1,0 kg	
	ICA 10-120	021020001	120 W	11,3 m	1,2 kg	
	ICA 10-200	021030001	200 W	18,8 m	1,4 kg	
	ICA 10-250	021040001	250 W	23,5 m	1,5 kg	
	ICA 10-320	021050001	320 W	31,7 m	1,7 kg	
=	ICA 10-400	021060001	400 W	36,7 m	1,9 kg	
10 W/ml	ICA 10-450	021070001	450 W	43,5 m	2,1 kg	
≥	ICA 10-520	021080001	520 W	50,8 m	2,3 kg	
0	ICA 10-600	021090001	600 W	62,9 m	2,6 kg	
_	ICA 10-750	021100001	750 W	75,8 m	3,0 kg	
	ICA 10-950	021110001	950 W	92,8 m	3,5 kg	
	ICA 10-1100	021120001	1100 W	114,5 m	4,1 kg	
	ICA 10-1300	021130001	1300 W	131,2 m	4,6 kg	
	ICA 10-1700	021140001	1700 W	155,5 m	5,3 kg	
	ICA 10-2000	021150001	2000 W	194,4 m	6,5 kg	
	ICA 15-80	021210001	80 W	5,4 m	1,0 kg	
	ICA 15-140	021220001	140 W	9,7 m	1,1 kg	
	ICA 15-240	021230001	240 W	15,7 m	1,3 kg	
	ICA 15-300	021240001	300 W	19,6 m	1,4 kg	
	ICA 15-400	021250001	400 W	25,4 m	1,6 kg	
Ξ	ICA 15-470	021260001	470 W	31,2 m	1,7 kg	
15 W/ml	ICA 15-550	021270001	550 W	35,6 m	1,9 kg	
>	ICA 15-630	021280001	630 W	41,9 m	2,0 kg	
7	ICA 15-750	021290001	750 W	50,3 m	2,3 kg	
	ICA 15-950	021300001	950 W	59,8 m	2,6 kg	
	ICA 15-1100	021310001	1100 W	80,1 m	3,2 kg	
	ICA 15-1350	021320001	1350 W	93,3 m	3,5 kg	
	ICA 15-1600	021330001	1600 W	106,6 m	3,9 kg	
	ICA 15-2400	021340001	2400 W	162,0 m	5,5 kg	
	ICA 18-160	021410001	160 W	8,5 m	1,1 kg	
	ICA 18-260	021420001	260 W	14,5 m	1,2 kg	
	ICA 18-320	021430001	320 W	18,3 m	1,4 kg	
	ICA 18-420	021440001	420 W	24,2 m	1,5 kg	
_	ICA 18-520	021450001	520 W	28,2 m	1,6 kg	
18 W/ml	ICA 18-600	021460001	600 W	32,6 m	1,8 kg	
\geqslant	ICA 18-680	021470001	680 W	38,9 m	1,9 kg	
· ·	ICA 18-830	021480001	830 W	45,5 m	2,1 kg	
7	ICA 18-1000	021490001	1000 W	56,8 m	2,5 kg	
	ICA 18-1200	021500001	1200 W	73,4 m	2,9 kg	
	ICA 18-1500	021510001	1500 W	83,9 m	3,3 kg	
	ICA 18-1700	021520001	1700 W	100,3 m	3,7 kg	
	ICA 18-2200	021530001	2200 W	120,2 m	4,3 kg	
	ICA 18-2600	021540001	2600 W	149,6 m	5,2 kg	
		0000000			0 = 1 :	
	Iron ctrin	020000001		10 m	0,54 kg	
	Iron strip CLIP	020000002		50 pz	0,07 kg	

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ACCESSORIES ICA



IRON STRIP

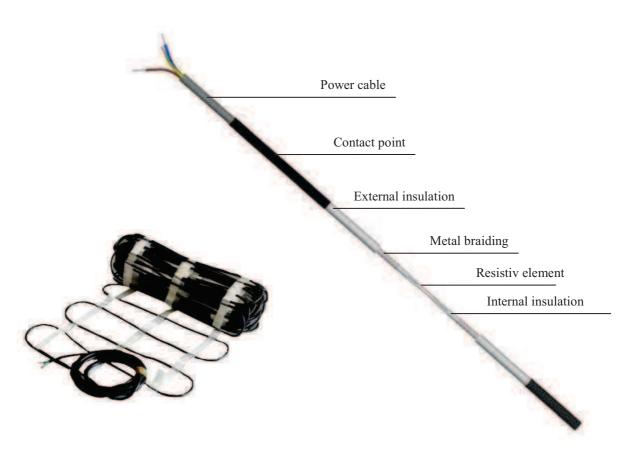


CLIP

- 51 -



ICAS



- Structure of the cable: heating cable with double conductor resistive pre assembled on scotch
- Width of the strip: 50 cm
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 14 wire Ø0,3 mm tinned copper
- External insulation of the cable: resistant to 105°C 0,8 mm
- Outer diameter of the cable: 3,5 ÷ 4,5 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 4 m
- UV protection: NO
- Self extinguishing cable: YES
- Colour of the cable: White
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification CE
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

ICAS: PRE ASSEMBLED ON SCOTCH FOR INTERNAL

	Description	Code	Power	Leght cable	m² of product	Weight
	ICAS 60-65	022010101	65 W	2,2 m	1,1	1,1 kg
	ICAS 60-120	022020101	120 W	3,8 m	1,9	1,2 kg
	ICAS 60-200	022030101	200 W	6,3 m	3,2	1,5 kg
	ICAS 60-250	022040101	250 W	7,8 m	3,9	1,6 kg
	ICAS 60-320	022050101	320 W	10,8 m	5,4	1,9 kg
60 W/m ²	ICAS 60-400	022060101	400 W	12,4 m	6,2	2,1 kg
'n	ICAS 60-450	022070101	450 W	14,8 m	7,4	2,3 kg
_ ≥	ICAS 60-520	022080101	520 W	17,2 m	8,6	2,5 kg
0	ICAS 60-600	022090101	600 W	21,3 m	10,7	2,9 kg
9	ICAS 60-750	022100101	750 W	25,7 m	12,9	3,4 kg
	ICAS 60-950	022110101	950 W	31,3 m	15,7	3,9 kg
	ICAS 60-1100	022120101	1100 W	38,7 m	19,4	4,7 kg
	ICAS 60-1300	022130101	1300 W	44,3 m	22,2	5,2 kg
	ICAS 60-1700	022140101	1700 W	52,7 m	26,4	6,1 kg
	ICAS 60-2000	022150101	2000 W	65,8 m	32,9	7,3 kg
	ICAS 80-120	022210101	120 W	2,6 m	1,3	1,4 kg
	ICAS 80-200	022220101	200 W	4,5 m	2,3	1,8 kg
	ICAS 80-250	022230101	250 W	5,6 m	2,8	2,0 kg
	ICAS 80-320	022240101	320 W	7,6 m	3,8	2,4 kg
_	ICAS 80-450	022250101	450 W	10,4 m	5,2	3,0 kg
<u> </u>	ICAS 80-520	022260101	520 W	12,2 m	6,1	3,4 kg
.m/M	ICAS 80-600	022270101	600 W	15,1 m	7,6	4,0 kg
	ICAS 80-750	022280101	750 W	18,2 m	9,1	4,6 kg
80	ICAS 80-950	022290101	950 W	22,3 m	11,2	5,5 kg
	ICAS 80-1100	022300101	1100 W	27,6 m	13,8	6,6 kg
	ICAS 80-1300	022310101	1300 W	31,6 m	15,8	7,4 kg
	ICAS 80-1700	022320101	1700 W	37,5 m	18,8	8,6 kg
	ICAS 80-2000	022330101	2000 W	46,9 m	23,5	10,6 kg
	ICAS 100-120	022410101	120 W	2,1 m	1,1	1,2 kg
	ICAS 100-200	022420101	200 W	3,5 m	1,8	1,4 kg
	ICAS 100-250	022430101	250 W	4,3 m	2,2	1,6 kg
	ICAS 100-320	022440101	320 W	5,9 m	3,0	1,8 kg
~ _	ICAS 100-400	022450101	400 W	6,8 m	3,4	2,0 kg
/u	ICAS 100-450	022460101	450 W	8,1 m	4,1	2,2 kg
≥	ICAS 100-520	022470101	520 W	9,5 m	4,8	2,4 kg
100 W/m²	ICAS 100-600	022480101	600 W	11,8 m	5,9	2,8 kg
0	ICAS 100-750	022490101	750 W	14,2 m	7,1	3,2 kg
~	ICAS 100-950	022500101	950 W	17,3 m	8,7	3,7 kg
	ICAS 100-1100	022510101	1100 W	21,4 m	10,7	4,4 kg
	ICAS 100-1300	022520101	1300 W	24,6 m	12,3	4,9 kg
	ICAS 100-1700	022530101	1700 W	29,1 m	14,6	5,7 kg
	ICAS 100-2000	022540101	2000 W	36,4 m	18,2	6,9 kg

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ICAS: PRE ASSEMBLED ON SCOTCH FOR INTERNAL

	Description	Code	Power	Leght cable	m² of product	Weight
	ICAS 160-140	022610101	140 W	1,8 m	0,9	1,1 kg
	ICAS 160-240	022620101	240 W	2,8 m	1,4	1,3 kg
	ICAS 160-300	022630101	300 W	3,6 m	1,8	1,4 kg
	ICAS 160-400	022640101	400 W	4,7 m	2,4	1,6 kg
Π^2	ICAS 160-470	022650101	470 W	5,8 m	2,9	1,8 kg
160 W/m²	ICAS 160-550	022660101	550 W	6,6 m	3,3	1,9 kg
>	ICAS 160-630	022670101	630 W	7,8 m	3,9	2,1 kg
90	ICAS 160-750	022680101	750 W	9,3 m	4,7	2,4 kg
7	ICAS 160-950	022690101	950 W	11,1 m	5,6	2,7 kg
	ICAS 160-1100	022700101	1100 W	14,9 m	7,5	3,3 kg
	ICAS 160-1350	022710101	1350 W	17,4 m	8,7	3,8 kg
	ICAS 160-1600	022720101	1600 W	20 m	10,0	4,2 kg
	ICAS 160-2400	022730101	2400 W	30,3 m	15,2	5,9 kg
	ICAS 200-160	022810101	160 W	1,6 m	0,8	1,1 kg
	ICAS 200-260	022820101	260 W	2,6 m	1,3	1,3 kg
	ICAS 200-320	022830101	320 W	3,4 m	1,7	1,4 kg
	ICAS 200-420	022840101	420 W	4,5 m	2,3	1,6 kg
N	ICAS 200-520	022850101	520 W	5,2 m	2,6	1,7 kg
Ξ	ICAS 200-600	022860101	600 W	6,1 m	3,1	1,8 kg
≥	ICAS 200-680	022870101	680 W	7,2 m	3,6	2,1 kg
200 W/m²	ICAS 200-830	022880101	830 W	8,5 m	4,3	2,3 kg
20	ICAS 200-1000	022890101	1000 W	10,6 m	5,3	2,6 kg
	ICAS 200-1200	022900101	1200 W	13,8 m	6,9	3,1 kg
	ICAS 200-1500	022910101	1500 W	15,6 m	7,8	3,5 kg
	ICAS 200-1700	022920101	1700 W	18,8 m	9,4	4,0 kg
	ICAS 200-2200	022930101	2200 W	22,5 m	11,3	4,6 kg
	ICAS 200-2600	022940101	2600 W	28,0 m	14,0	5,5 kg

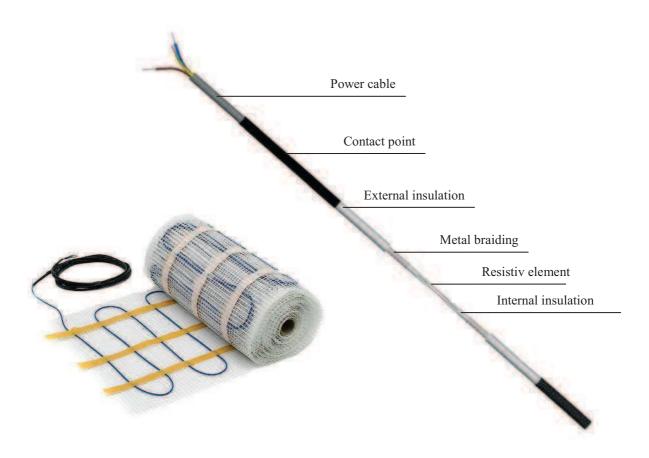
C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV

Tel. +39 0422 854199 fax +39 0422 854735 www.cdesignsystem.it info@cdesignsystem.it

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ICAR



- Structure of the cable: heating cable with double conductor resistive pre assembled on scotch on glass fiber
- Width of the strip: 50 cm
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 14 wire Ø0,3 mm tinned copper
- External insulation of the cable: resistant to 105°C 0,8 mm
- Outer diameter of the cable: 3,5 ÷ 4,5 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 4 m
- UV protection: NO
- Self extinguishing cable: YES
- Colour of the cable: White
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification (
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

ICAR: INTERNAL CABLE ON MESH

	Description	Code	Power	Leght cable	m² of product	Weight	
	ICAR 60-65	023010101	65 W	2,2 m	1,1	1,2 kg	
	ICAR 60-120	023020101	120 W	3,8 m	1,9	1,5 kg	
	ICAR 60-200	023030101	200 W	6,3 m	3,2	1,9 kg	
	ICAR 60-250	023040101	250 W	7,8 m	3,9	2,2 kg	
	ICAR 60-320	023050101	320 W	10,8 m	5,4	2,7 kg	
60 W/m ²	ICAR 60-400	023060101	400 W	12,4 m	6,2	3,0 kg	
'n	ICAR 60-450	023070101	450 W	14,8 m	7,4	3,4 kg	
_ ≥	ICAR 60-520	023080101	520 W	17,2 m	8,6	3,8 kg	
0	ICAR 60-600	023090101	600 W	21,3 m	10,7	4,5 kg	
9	ICAR 60-750	023100101	750 W	25,7 m	12,9	5,3 kg	
	ICAR 60-950	023110101	950 W	31,3 m	15,7	6,3 kg	
	ICAR 60-1100	023120101	1100 W	38,7 m	19,4	7,6 kg	
	ICAR 60-1300	023130101	1300 W	44,3 m	22,2	8,5 kg	
	ICAR 60-1700	023140101	1700 W	52,7 m	26,4	10,0 kg	
	ICAR 60-2000	023150101	2000 W	65,8 m	32,9	12,3 kg	
	ICAR 80-120	023210101	120 W	2,6 m	1,3	1,4 kg	
	ICAR 80-200	023220101	200 W	4,5 m	2,3	1,8 kg	
	ICAR 80-250	023230101	250 W	5,6 m	2,8	2,0 kg	
	ICAR 80-320	023240101	320 W	7,6 m	3,8	2,4 kg	
80 W/m ²	ICAR 80-450	023250101	450 W	10,4 m	5,2	3,0 kg	
'n	ICAR 80-520	023260101	520 W	12,2 m	6,1	3,4 kg	
_ ≥	ICAR 80-600	023270101	600 W	15,1 m	7,6	4,0 kg	
0	ICAR 80-750	023280101	750 W	18,2 m	9,1	4,6 kg	
∞	ICAR 80-950	023290101	950 W	22,3 m	11,2	5,5 kg	
	ICAR 80-1100	023300101	1100 W	27,6 m	13,8	6,6 kg	
	ICAR 80-1300	023310101	1300 W	31,6 m	15,8	7,4 kg	
	ICAR 80-1700	023320101	1700 W	37,5 m	18,8	8,6 kg	
	ICAR 80-2000	023330101	2000 W	46,9 m	23,5	10,6 kg	
	ICAR 100-120	023410101	120 W	2,1 m	1,1	1,3 kg	
	ICAR 100-200	023420101	200 W	3,5 m	1,8	1,7 kg	
	ICAR 100-250	023430101	250 W	4,3 m	2,2	1,9 kg	
	ICAR 100-320	023440101	320 W	5,9 m	3,0	2,3 kg	
	ICAR 100-400	023450101	400 W	6,8 m	3,4	2,5 kg	
3"	ICAR 100-450	023460101	450 W	8,1 m	4,1	2,8 kg	
\S	ICAR 100-520	023470101	520 W	9,5 m	4,8	3,1 kg	
>	ICAR 100-600	023480101	600 W	11,8 m	5,9	3,7 kg	
100 W/m ²	ICAR 100-750	023490101	750 W	14,2 m	7,1	4,3 kg	
_	ICAR 100-950	023500101	950 W	17,3 m	8,7	5,0 kg	
	ICAR 100-1100	023510101	1100 W	21,4 m	10,7	6,0 kg	
	ICAR 100-1300	023520101	1300 W	24,6 m	12,3	6,8 kg	
	ICAR 100-1700	023530101	1700 W	29,1 m	14,6	7,9 kg	
	ICAR 100-2000	023540101	2000 W	36,4 m	18,2	9,7 kg	
		0_00 10 10 1		55,1111	,_	۷,۰۰۰ع	

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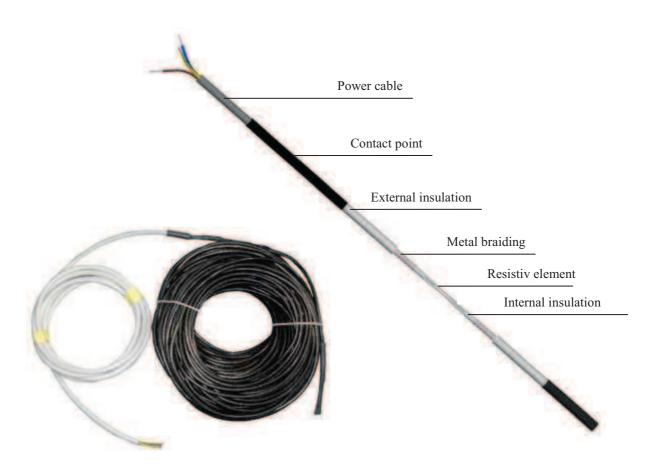
ICAR: INTERNAL CABLE ON MESH

	Description	Code	Power	Leght cable	m² of product	Weight
	ICAR 160-140	023610101	140 W	1,8 m	0,9	1,3 kg
	ICAR 160-240	023620101	240 W	2,8 m	1,4	1,5 kg
	ICAR 160-300	023630101	300 W	3,6 m	1,8	1,7 kg
	ICAR 160-400	023640101	400 W	4,7 m	2,4	2,0 kg
Π^2	ICAR 160-470	023650101	470 W	5,8 m	2,9	2,2 kg
160 W/m²	ICAR 160-550	023660101	550 W	6,6 m	3,3	2,4 kg
>	ICAR 160-630	023670101	630 W	7,8 m	3,9	2,7 kg
90	ICAR 160-750	023680101	750 W	9,3 m	4,7	3,1 kg
7	ICAR 160-950	023690101	950 W	11,1 m	5,6	3,5 kg
	ICAR 160-1100	023700101	1100 W	14,9 m	7,5	4,50
	ICAR 160-1350	023710101	1350 W	17,4 m	8,7	5,1 kg
	ICAR 160-1600	023720101	1600 W	20 m	10,0	5,7 kg
	ICAR 160-2400	023730101	2400 W	30,3 m	15,2	8,2 kg
	ICAR 200-160	023810101	160 W	1,6 m	0,8	1,2 kg
	ICAR 200-260	023820101	260 W	2,6 m	1,3	1,5 kg
	ICAR 200-320	023830101	320 W	3,4 m	1,7	1,7 kg
	ICAR 200-420	023840101	420 W	4,5 m	2,3	1,9 kg
8	ICAR 200-520	023850101	520 W	5,2 m	2,6	2,1 kg
Ξ	ICAR 200-600	023860101	600 W	6,1 m	3,1	2,3 kg
\geq	ICAR 200-680	023870101	680 W	7,2 m	3,6	2,6 kg
200 W/m²	ICAR 200-830	023880101	830 W	8,5 m	4,3	2,9 kg
20	ICAR 200-1000	023890101	1000 W	10,6 m	5,3	3,4 kg
• •	ICAR 200-1200	023900101	1200 W	13,8 m	6,9	4,2 kg
	ICAR 200-1500	023910101	1500 W	15,6 m	7,8	4,6 kg
	ICAR 200-1700	023920101	1700 W	18,8 m	9,4	5,4 kg
	ICAR 200-2200	023930101	2200 W	22,5 m	11,3	6,3 kg
	ICAR 200-2600	023940101	2600 W	28,0 m	14,0	7,6 kg

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ECA



- Structure of the cable: heating cable with double conductor resistive
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 48 wire Ø0,17 mm tinned copper
- External insulation of the cable: PVC resistant to 105°C 1,8 mm
- Outer diameter of the cable: 6,2 ÷ 8,9 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 5 m
- UV protection: YES
- Self extinguishing cable: YES
- Colour of the cable: Black
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification (
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

ECA: EXTERNAL CABLE HANK

	Description	Code	Power	Leght warm cable	Weight	
	ECA 15-210	024010001	210 W	14,0 m	2,11 kg	
	ECA 15-350	024020001	350 W	23,6 m	2,82 kg	
	ECA 15-540	024030001	540 W	36,2 m	3,76 kg	
Ī	ECA 15-630	024040001	630 W	41,9 m	4,18 kg	
15 W/m	ECA 15-810	024050001	810 W	54,4 m	5,10 kg	
>	ECA 15-1050	024060001	1050 W	69,9 m	6,25 kg	
75	ECA 15-1150	024070001	1150 W	76,6 m	6,75 kg	
	ECA 15-1500	024080001	1500 W	97,9 m	8,32 kg	
	ECA 15-2100	024090001	2100 W	139,9 m	11,43 kg	
	ECA 15-3150	024100001	3150 W	209,9 m	16,61 kg	
	ECA 20-240	024210001	240 W	12,2 m	1,98 kg	
	ECA 20-400	024220001	400 W	20,6 m	2,60 kg	
	ECA 20-630	024230001	630 W	31,1 m	3,38 kg	
_	ECA 20-730	024240001	730 W	36,2 m	3,76 kg	
20 W/ml	ECA 20-950	024250001	950 W	46,4 m	4,51 kg	
\geq	ECA 20-1000	024260001	1000 W	50,0 m	4,78 kg	
0	ECA 20-1200	024270001	1200 W	61,2 m	5,61 kg	
7	ECA 20-1300	024280001	1300 W	67,8 m	6,10 kg	
	ECA 20-1700	024290001	1700 W	86,4 m	7,47 kg	
	ECA 20-2400	024300001	2400 W	122,4 m	10,14 kg	
	ECA 20-3600	024310001	3600 W	183,6 m	14,67 kg	
	ECA 25-270	024410001	270 W	10,8 m	1,88 kg	
	ECA 25-450	024420001	450 W	18,3 m	2,43 kg	
	ECA 25-700	024430001	700 W	27,9 m	3,15 kg	
Ξ	ECA 25-800	024440001	800 W	33,0 m	3,52 kg	
≶	ECA 25-1050	024450001	1050 W	41,9 m	4,18 kg	
25 W/ml	ECA 25-1350	024460001	1350 W	54,4 m	5,10 kg	
25	ECA 25-1480	024470001	1480 W	59,5 m	5,48 kg	
	ECA 25-1900	024480001	1900 W	77,3 m	6,80 kg	
	ECA 25-2700	024490001	2700 W	108,8 m	9,13 kg	
	ECA 25-4000	024500001	4000 W	165,3 m	13,31 kg	
	ECA 30-300	024610001	300 W	9,8 m	1,80 kg	
	ECA 30-500	024620001	500 W	16,5 m	2,30 kg	
_	ECA 30-760	024630001	760 W	25,7 m	2,99 kg	
Ξ	ECA 30-880	024640001	W 088	30,0 m	3,30 kg	
30 W/ml	ECA 30-1150	024650001	1150 W	38,3 m	3,92 kg	
0	ECA 30-1500	024660001	1500 W	48,9 m	4,70 kg	
$\widetilde{\omega}$	ECA 30-1600	024670001	1600 W	55,1 m	5,15 kg	
	ECA 30-2100	024680001	2100 W	69,9 m	6,25 kg	
	ECA 30-3000	024690001	3000 W	97,9 m	8,32 kg	
	ECA 30-4400	024600001	4400 W	150,2 m	12,20 kg	
	1 11	00000000		4.0	0.54:	
	Iron strip	020000001		10 m	0,54 kg	
	CLIP	020000002		50 pz	0,07 kg	

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ACCESSORIES ECA



IRON STRIP

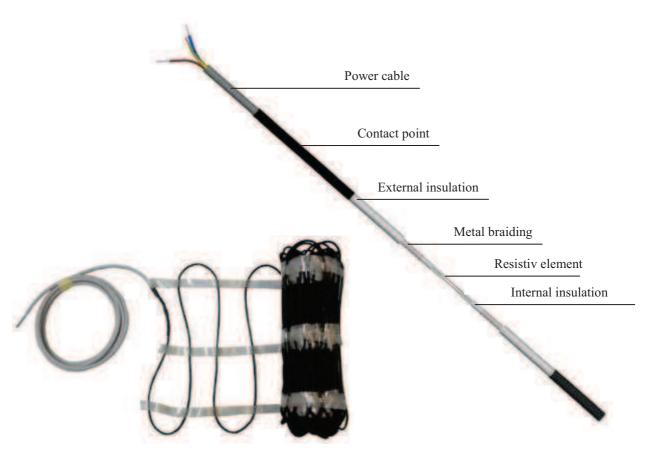


CLIP

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ECAS



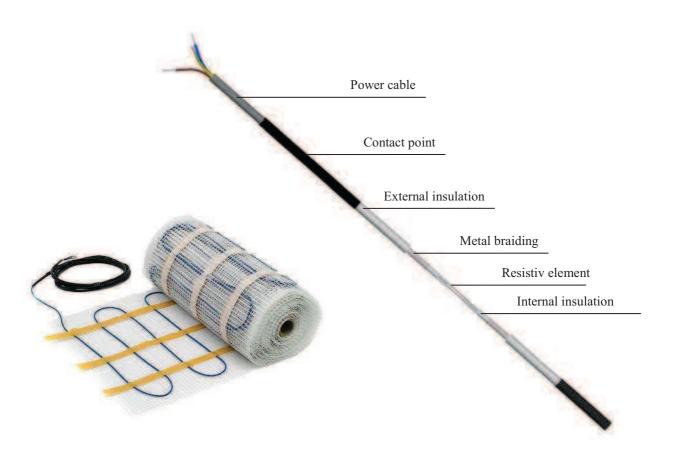
- Structure of the cable: heating cable with double conductor resistive pre assembled on scotch
- Width of the strip: 50 cm
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 48 wire Ø0,17 mm tinned copper
- Internal insulation of the cable: PVC resistant to 105°C 1,8 mm
- Outer diameter of the cable: 6,2 ÷ 8,9 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 5 m
- UV protection: YES
- Self extinguishing cable: YES
- Colour of the cable: Black
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

ECAS: PRE ASSEMBLED ON SCOTCH FOR EXTERNAL

	Description	Code	Power	Leght cable	m² of product	Weight
	ECAS 210-240	025010101	240 W	1,9 m	1,0	2,01 kg
۵	ECAS 210-400	025020101	400 W	3,8 m	1,9	2,65 kg
٦,	ECAS 210-630	025030101	630 W	5,8 m	2,9	3,45 kg
W/m	ECAS 210-950	025040101	950 W	8,7 m	4,4	4,62 kg
0	ECAS 210-1200	025050101	1200 W	11,5 m	5,8	5,76 kg
21(ECAS 210-1700	025060101	1700 W	16,2 m	8,1	7,69 kg
7	ECAS 210-2400	025070101	2400 W	22,9 m	11,5	10,43 kg
	ECAS 210-3600	025080101	3600 W	34,4 m	17,2	15,12 kg
	ECAS 320-500	025210101	500 W	3,1 m	1,6	2,34 kg
	ECAS 320-760	025220101	760 W	4,9 m	2,5	3,05 kg
]	ECAS 320-880	025230101	880 W	5,6 m	2,8	3,37 kg
W/m	ECAS 320-1150	025240101	1150 W	7,2 m	3,6	4,01 kg
>	ECAS 320-1500	025250101	1500 W	9,2 m	4,6	4,82 kg
20	ECAS 320-1600	025260101	1600 W	10,3 m	5,2	5,29 kg
320	ECAS 320-2100	025270101	2100 W	13,1 m	6,6	6,43 kg
	ECAS 320-3000	025280101	3000 W	18,4 m	9,2	8,57 kg
	ECAS 320-4400	025290101	4400 W	28,2 m	14,1	12,57 kg



ECAR



- Structure of the cable: heating cable with double conductor resistive pre assembled on scotch on glass fiber
- Width of the strip: 50 cm
- Internal insulation of the cable: fluoropolymer (FEP) 0,3 mm
- Metal braiding: with 48 wire Ø0,17 mm tinned copper External cable insulation: PVC resistente a 105°C 1,8 mm
- Outer diameter of the cable: 6,2 ÷ 8,9 mm
- Volt supply 230 Vac
- Protection class II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Minimum curvature radius: 4 times the diameter of the cable
- Power cable: 3*1.5 FG7 long 5 m
- UV protection: YES
- Self extinguishing cable: YES
- Colour of the cable: Black
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification (€
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

ECAR: EXTERNAL CABLE ON MESH

	Description	Code	Power	Leght cable	m² of product	Weight
	ECAR 210-240	026010101	240 W	1,9 m	1,0	2,77 kg
	ECAR 210-400	026020101	400 W	3,8 m	1,9	3,72 kg
	ECAR 210-630	026030101	630 W	5,8 m	2,9	3,89 kg
	ECAR 210-950	026040101	950 W	8,7 m	4,4	5,28 kg
	ECAR 210-1200	026050101	1200 W	11,5 m	5,8	6,62 kg
210	ECAR 210-1700	026060101	1700 W	16,2 m	8,1	8,90 kg
7	ECAR 210-2400	026070101	2400 W	22,9 m	11,5	12,16 kg
	ECAR 210-3600	026080101	3600 W	34,4 m	17,2	17,70 kg
	ECAR 320-500	026210101	500 W	3,1 m	1,6	2,57 kg
	ECAR 320-760	026220101	760 W	4,9 m	2,5	3,41 kg
320 W/m ²	ECAR 320-880	026230101	880 W	5,6 m	2,8	3,79 kg
	ECAR 320-1150	026240101	1150 W	7,2 m	3,6	4,55 kg
	ECAR 320-1500	026250101	1500 W	9,2 m	4,6	5,51 kg
	ECAR 320-1600	026260101	1600 W	10,3 m	5,2	6,06 kg
	ECAR 320-2100	026270101	2100 W	13,1 m	6,6	7,41 kg
	ECAR 320-3000	026280101	3000 W	18,4 m	9,2	9,95 kg
	ECAR 320-4400	026290101	4400 W	28,2 m	14,1	14,68 kg



CAG



C Design de-icing heating cables CAG are studied for being winded up on pipes which are exposed to low temperatures in order to preserve the liquid situated inside them from freezing. Thanks to their flexibility and functionality, given to the specific characteristics of the materials which constitute the cable itself and thanks to their particular technology, these cable can work within a temperature range from -20°C to +80°C. The heating element is wounded in a multithread shielding guarantees an elevate mechanical protection and superior temperature dissipation. Moreover, this braiding allows the heating cable to be earthed. The switching on is automatically controlled by a built-in thermostat which activates heating element at temperature of +5°C and switches it off at a temperature of +15°C.

- Structure of the cable: resistive cable series
- External insulation of the cable: PVC resistant to 105°C 0,8 mm
- Diameter external cable: 5,5 ÷ 6,5 mm
- Volt supply 230 Vac
- Protection class I, II
- Protection grade IP67
- Tolerance: from 25 to 200 W: ±10%, higher 200 W: +5% +20 W (choose the higher) -10%
- Length suppli cable: 1 m
- Temperatures of use: -20 °C +80 °C
- Range of action thermostat: ON +5 °C OFF +15 °C
- Minimum curvature radius: 4 times the diameter of the cable
- UV protection: YES
- Self extinguishing cable: YES
- Colour of the cable: Black
- Marking of the cable: "C DESIGN * ICA xxx Ohm / m * CE * set year"
- Certification 🧲
- The company reserves the right to change without notice specifics of the products details declining any responsibility for uncorrected data

For the instruction manual look at page 96

CAG: DE-ICING HEALTING CABLE WITH TERMOSTAT

	Description	Code	Power	Leght warm cable	Weight	
	CAG 15-30	027010001	30	2 m	0,153 kg	
	CAG 15-60	027020001	60	4 m	0,255 kg	
	CAG 15-90	027030001	90	6 m	0,306 kg	
	CAG 15-120	027040001	120	8 m	0,408 kg	
	CAG 15-150	027050001	150	10 m	0,510 kg	
	CAG 15-225	027060001	225	15 m	0,765 kg	
	CAG 15-300	027070001	300	20 m	1,020 kg	
Ξ	CAG 15-375	027080001	375	25 m	1,275 kg	
5 W/ml	CAG 15-450	027090001	450	30 m	1,530 kg	
>	CAG 15-525	027100001	525	35 m	1,785 kg	
7.5	CAG 15-600	027110001	600	40 m	2,040 kg	
	CAG 15-675	027120001	675	45 m	2,295 kg	
	CAG 15-750	027130001	750	50 m	2,551 kg	
	CAG 15-900	027140001	900	60 m	3,061 kg	
	CAG 15-1050	027150001	1050	70 m	3,571 kg	
	CAG 15-1200	027160001	1200	80 m	4,081 kg	
	CAG 15-1350	027170001	1350	90 m	4,591 kg	
	CAG 15-1500	027180001	1500	100 m	5,102 kg	

	Description	Code	Power	Leght warm cable	Weight	
	CAG 20-200	027210001	200	10 m	0,510 kg	
	CAG 20-300	027220001	300	15 m	0,765 kg	
	CAG 20-400	027230001	400	20 m	1,020 kg	
Ξ	CAG 20-600	027240001	600	30 m	1,530 kg	
W/m	CAG 20-800	027250001	800	40 m	2,040 kg	
	CAG 20-940	027260001	940	48 m	2,500 kg	
20	CAG 20-1100	027270001	1100	55 m	2,857 kg	
	CAG 20-1500	027280001	1500	75 m	3,877 kg	
	CAG 20-1800	027290001	1800	90 m	4,591 kg	
	CAG 20-2100	027300001	2100	113 m	5,816 kg	

	Description	Code	Height	Length	Weight	
	TAPE 25*	020000003	25 mm	50 m	0,215 kg	
ď	TAPE 50*	020000004	50 mm	50 m	0,430 kg	
Q						
SS						
Ш						
ပ္ပ						
Ă						

^{*} Aluminum tape reinforced with polyester, acrylic adhesive

Aluminum tape



 $C\ DESIGN\ s.r.l. \quad via\ CHIESA,71 \quad 31047 - \ Loc.\ Negrisia - PONTE\ DI\ PIAVE - TV$ $Tel.\ +39\ 0422\ 854199 \quad fax\ +39\ 0422\ 854735 \quad \underline{www.cdesignsystem.it} \quad \underline{info@cdesignsystem.it}$

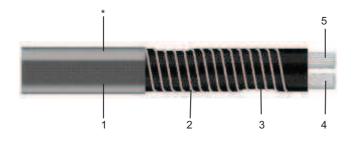


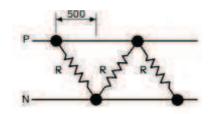
SPC - CPC

CONSTANT POWER PARALLEL HEATING CABLE - CPCx

The structural technology of this heating wire allows to solve installation problems in a practical and safe way and at a reduced price. It is the ideal solution in situations requiring flexibility of use, an easy assembly and a quick performance. Thanks to its peculiarity of providing constant power per metre, both depending on temperature variations and on the length of the heating circuit, it can be cut, pieced and connected directly by the operator during the installation, with few easy and quick operations. Among the manifold advantages offered by this heating cable, attention should be paid to the possibility to control the operation status of each heating circuit, and to the easiness and low price of assembly thanks to the accessories that Calorflex can provide for its application (see technical specifications of accessories).

STRUCTURAL SKETCH AND EQUIVALENT ELECTRIC CIRCUIT







- 1 Silicone rubber insulation with optional outer metal protection (* at request)
- 2 Nickel-Chromium alloy heating wire (R)
- 3 Contact points at intervals of 500mm
- 4 Multi-wire copper conductor (N)
- 5 Multi-wire copper conductor (P)

Two conductors with an appropriate section (P-N), insulated in silicone rubber, are wound in a Nickel-Chromium alloy wire which constitutes the active and heating part of the cable. This wire is alternatively connected to two conductors through contact points, specially positioned at regular intervals of 500mm, thus forming, from an electrical point of view, a series of parallel resistances of equal value (R). Applying the input voltage to one end of the heating circuit and leaving the other end open, all the resistances receive power with the same voltage and therefore dissipate the same power, owing to the Joule effect. Consequently, the power per meter provided will always be constant at any temperature, independently from the length of the circuit.

In order to guarantee electrical insulation, high temperature performance, flexibility and resistance to corrosion and to chemical agents, the cable is coated with a protective sheath made of silicone rubber with the adequate thickness that can be further clad in a multi-wire metal braiding in order to enhance resistance to shocks and

abrasions, improve the thermal exchange and guarantee the heating cable earthling when requested.

CPC: CONSTANT POWER HEATING CABLE

Description	Code	Power	Ø cable	Weight
SPCA 10	028010001	10 W/m	3,5 mm	0,020 kg/m
SPCA 15	028020001	15 W/m	3,5 mm	0,020 kg/m
SPCA 20	028030001	20 W/m	3,5 mm	0,020 kg/m
SPCA 25	028040001	25 W/m	3,5 mm	0,020 kg/m
SPCA 30	028050001	30 W/m	3,5 mm	0,020 kg/m
SPCA 40	028060001	40 W/m	3,5 mm	0,020 kg/m
CPCA 10	028110001	10 W/m	5*7 mm	0,058 kg/m
CPCA 15	028120001	15 W/m	5*7 mm	0,058 kg/m
CPCA 20	028130001	20 W/m	5*7 mm	0,058 kg/m
CPCA 25	028140001	25 W/m	5*7 mm	0,058 kg/m
CPCA 30	028150001	30 W/m	5*7 mm	0,058 kg/m
CPCA 40	028160001	40 W/m	5*7 mm	0,058 kg/m

We realize personalized power W/m - Look at page 98 the Technical sheet

	Description	Code	Power	Ø cable	Weight
	SPCB 10	028510001	10 W/m	4 mm	0,022 kg/m
ъ	SPCB 15	028520001	15 W/m	4 mm	0,022 kg/m
<u>.</u>	SPCB 20	028530001	20 W/m	4 mm	0,022 kg/m
shield	SPCB 25	028540001	25 W/m	4 mm	0,022 kg/m
	SPCB 30	028550001	30 W/m	4 mm	0,022 kg/m
metal	SPCB 40	028560001	40 W/m	4 mm	0,022 kg/m
Ē	CPCB 10	028610001	10 W/m	5*7 mm	0,064 kg/m
a	CPCB 15	028620001	15 W/m	5*7 mm	0,064 kg/m
, L	CPCB 20	028630001	20 W/m	5*7 mm	0,064 kg/m
External	CPCB 25	028640001	25 W/m	5*7 mm	0,064 kg/m
Ш	CPCB 30	028650001	30 W/m	5*7 mm	0,064 kg/m
	CPCB 40	028660001	30 W/m	5*7 mm	0,064 kg/m

We realize personalized power W/m - Look at page 100 the Technical sheet

Description	Code	Height	Length	Weight	
Assembling hit	028000000			0,010 kg	
TAPE 25*	020000003	25 mm	50 m	0,215 kg	
TAPE 50*	020000004	50 mm	50 m	0,430 kg	

^{*} Aluminum tape reinforced with polyester, acrylic adhesive

GENERAL CHARACTERISTICS

- Volt supply 230 Vac (on demand)
- Working temperatures from 60°C to +200°C (+230°C for short periods)
- Maximum allowable length of cut for SPC: (Voltage x 5) / Wm
- Maximum allowable length of cut for CPC: (Voltage x 8) / Wm
- Minimum curvature radius: Ø cable * 4

PROVISIONS AND REFERENCE HOMOLOGATIONS

- Design, manufacture and testing in compliance with harmonized standards EN 60335
- In compliance with 73/23/EEC DIRECTIVE
- declaration of conformity on all items

GENERAL TESTS AND PACKING

The cable is supplied in measured plastic or cardboard bobbins for a further reworking on part of the customer. The standard measures of the bobbins are: 150m - 250m - 400m.

Assembling kit



Aluminum tape



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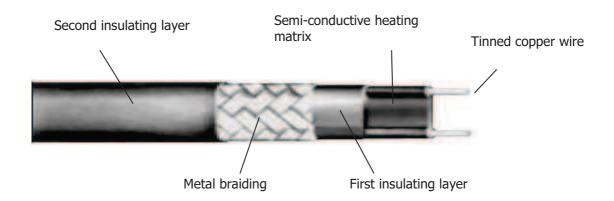


CSC - ISC

The technology of C DESIGN self-regulating cable wires is based on the properties of certain particular polymers that vary their resistance as a function of the temperature they are exposed to. They are made of two tinned copper conductors on which is extruded a compound made of a specific concentration of graphite and semi conductive polymers that will constitute the wire active and heating portion. This matrix is subsequently irradiated by a special equipment to record its molecular setting and build a memory of its initial characteristics. The tape thus obtained is insulated with a poliolephine sheath (a thermoplastic material with a high dielectric seal) that effectively guarantees a first stage of mechanical and electrical insulation. The wire is further clad in a tinned copper or stainless steel metal braiding and subsequently coated with a second poliolephine sheath which guarantees corrosion and chemical agents proofing

C DESIGN self-regulating heating cable are usually produced and supplied by the metre, unbroken or in bobbins. At customer's request or for special applications, they can be supplied in pieces of the required length and wired according to the customer's needs

STRUCTURE SKETCH:



PROVISIONS AND REFERENCE HOMOLOGATIONS

- In compliance with 73/23/EEC DIRECTIVE
- declaration of conformity on all items



CSC: SELF-REGULATING CABLE

	Description	Code	Power	Leght warm cable	Weight
	CSC 10	029010001	10 W/m	160 m	0,100 kg/m
	CSC 15	029020001	15 W/m	109 m	0,100 kg/m
	CSC 20	029030001	20 W/m	81 m	0,100 kg/m
	CSC 25	029040001	25 W/m	48 m	0,100 kg/m
	Volt supply:			230 Vac	
ics	Maximum tempera	ture On:		50 °C	
ical	Maximum tempera	ture Off:		85 °C	
hni	Minimum installation temperature			-30 °C	
Technical characteristics	External cover			poliolephine	
ch3	Minimum curvature radius:			20 mm	
	Dimension:			10,2*5,5 mm	

	Description	Code	Power	Max length of circuit*	Weight
	ISC 15	029110001	15 W/m	180 m	0,100 kg/m
	ISC 20	029120001	20 W/m	146 m	0,100 kg/m
	ISC 25	029130001	25 W/m	124 m	0,100 kg/m
	ISC 33	029140001	33 W/m	92 m	0,100 kg/m
	Volt supply:			230 Vac	
S	Maximum tempera	ture On:		85 °C	
al stic	Maximum tempera	ture Off:		85 °C	
Technical characteristics	Minimum installation	Minimum installation temperature		-40 °C	
sch act	External cover		Thermop	lastic material	
Te	Wire section:			1,1 mm²	
5	Minimum curvatu	Minimum curvature radius:		35 mm	
	Dimension:			10,5*5,9 mm	

Description	Code	Height	Length	Weight
Assembling kit	028000000			0,010 kg
Connection kit	029000000			0,072 kg
Shunting kit	029000001			0,080 kg
TAPE 25*	020000003	25 mm	50 m	0,215 kg
TAPE 50*	020000004	50 mm	50 m	0,430 kg

 $^{^{\}ast}$ Max length of heating circuit scaldante at 5 °C and 16 absorption For the connection look at page 102

Assembling kit





Shunting kit



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HEATING FILM

SNOW HEAT page 76





GREENHOUSE CARPET page 77



MIRROR HEAT page 78



3



SNOW HEAT

SHOW HEAT is a heating film that has to be stuck on the photovoltaic module back side: its purpose is melting snow which lies on it and let the panel work properly.

Description	Code	Power	Dimensions	Weight	
SH180	100010000	180 W	1500*750 mm	1,080 kg	
SH200	100020000	200 W	1480*900 mm	1,400 kg	
SH250	100030000	250 W	1500*900 mm	1,400 kg	
Con.Kit Power cable	100000000			0,049 kg	

We make personalized power and measure.

SPECIFICATIONS SH180 / SH250:

- Possibility to create long strings 18 / 12 pieces

Volt supply: 230 VacLenght of power cable: 1 m

- Max. connector current rating: 16 A

Protection grade: IP67

Operating temperature: -25 ÷ 110 °C

- Acrylic adhesive

- Design, construction and inspecting according to the EN60335
- In compliance with Directive 2006/95/CEE
- declaration of conformity on all items
- The Company reserve the right to make changes or reductions in our products without the prior notice declining any responsibility for inaccurated data

For the installation sheet look at page 109

MADE IN ITALY

Connector Kit for the power cable:

- Max. connector current rating: 16 A
- Level of electrical protection: IP67
- In compliance with standard EN6035
- In compliance with Directive 2006/95/CEE
- declaration of conformity on all items

MADE IN ITALY





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GREENHOUSE CARPET

C DESIGN till foil heating carpet are created to help the plant-growing in the greenhouses. Thanks to their uniform heat propagation in the ground, permit the seeds and roots development. They are simple and rapid to install. They have a thermostat (regulation temperature from 0 to 40°C) and a heat sensor for the ground.

Description	Code	Power	Dimensions	Weight
GC65	100100000	65 W	400*750 mm	0,289 kg
GC85	100110000	85 W	400*1200 mm	0,462 kg
GC157	100120000	157 W	400*2000 mm	0,771 kg
GC150	100130000	150 W	500*1200 mm	0,578 kg
GC93	100140000	93 W	600*750 mm	0,433 kg
GC140	100150000	140 W	600*1200 mm	0,694 kg
GC263	100160000	263 W	600*2000 mm	1,157 kg
GC150	100170000	150 W	1000*1000 mm	0,964 kg
GC300	100180000	300 W	1000*2000 mm	1,928 kg

We make personalized power and measure

TECNICAL CHARACTERISTICS:

- Volt supply: 230 VacProtection grade: IP67
- Thermostat and heat sensor for the ground included
- Regulation temperature: 0 ÷ 40 °C
- Lenght of power cable: 1,2 m on demand
- Design, manufacture and testing in compliance with harmonized standards EN60335
- In compliance with Directive 2006/95/CEE
- CE declaration of conformity on all items
- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data

MADE IN ITALY





HOT MIRROR

C DESIGN Hot Mirror di C Design is a perfect solution to have mirror without typical bathroom condensation. It's a self-adhesive sheet to put on the back of the mirror. It could be switch on to avoid the mirror condensation. Simple and rapid to install.

 Description	Code	Power	Dimensions	Weight	
HM15	100300000	15 W	280*280 mm	0,080 kg	
HM25	100310000	25 W	400*280 mm	0,106 kg	
HM55	100320000	55 W	500*500 mm	0,236 kg	
HM100	100330000	100 W	450*1000 mm	0,425 kg	

We make personalized power and measure.

TECNICAL CHARACTERISTICS:

Volt supply: 230 VacProtection grade: IP44

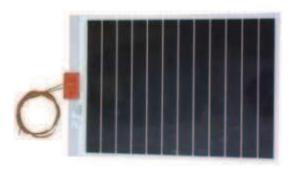
- Length of power cable: 1 m – a richiesta

- declaration of conformity on all items

- The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data

For the installation sheet look at page 104

MADE IN ITALY



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CONTROL UNITS

CRONOTHERMOSTATS page 82



CONTROL UNIT page 84



EXTERNAL CONTROL DEVICE

page 86







4



CRONOTHERMOSTAT

C Design cronothermostats are devices suitable for ambient temperature control of room according to a present schedule. Another very important function of these devices is to control the temperature of cement screed, through a special temperature sensor.

Description	Code	Amb. Themp.	Max. Themp.	Weght	
Cronothermostat basic	200020201	yes	yes	0,271 kg	
Crono. With remote control	200020202	yes	yes	0,287 kg	
Thouch screen Crono.	200020203	yes	yes	0,361 kg	
Junction box 502	200000002			0,059 kg	

THERMOSTATO BASIC:

- Setting: 4 time slots
- Cement screed temperature regulation
- Electricity supply 230 V AC
- Maximum load controllable: 230 Vac 15 A
- Lenght floor probe: 3 m
- 2 modules assembling in a wall box



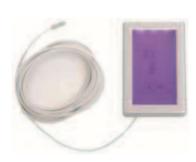
THERMOSTAT WITH REMOTE CONTROL:

- Setting: 4 time slots
- Cement screed temperature regulation
- Electricity supply230 V AC
- Maximum load controllable: 230 Vac 15 A
- Lenght floor probe: 3 m
- 2 modules assembling in a wall box



TOUCH SCREEN THERMOSTAT:

- Setting: 4 time slots
- Cement screed temperature regulation
- Electricity supply230 V AC
- Maximum load controllable: 230 Vac 15 A
- Lenght floor probe : 3 m
- 2 modules assembling in a wall box



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HANDLING CONTROL DELIVERY

Device adapted to control the resistive heating cable for the control of the ambient temperature and surfaces through static relays

They control the power consumption of USER to ensure that we remain within the limits of electric power supplied by the contactor and use all when it's available.

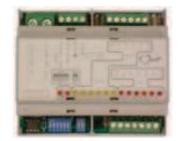
D	escription	Code	Input	Output	Weight	
6 are	as control	200010001	6	6	0,400 kg	
12 aı	eas control	200010002	12	12	0,528 kg	
9 are	as control	200010003	9	12	0,830 kg	
Exte	rnal TA	200010004	1	1	0,630 kg	
SSR	10A	200040110	1	1	0,120 kg	
SSR	20A	200040111	1	1	0,257 kg	
SSR	30A	200040112	1	1	0,257 kg	
	<u> </u>	<u> </u>	<u>'</u>			

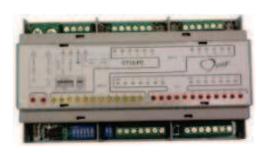
TECNICAL CARACHTERISTICS OF 6/12 AREAS CONTROL:

- Control the power consumption of the USER with maximum power setting used.
- Activation of loads based on inputs used with three methods of management: Rotation, rotation with loads of overlap, priority for placement of loads.
- Alarm for exceeding the power limit
- Diagnostic testing of loads.

Technical data:

- Power supply 230V AC 5VA.
- Maximun power managed (including the USER) with internal trasducer 10KW 230V AC.
- Possibility to connect a external T.A. for equal or greater powers.
- N°6/12 optically isolated inputs for voltage of 230V AC.
- N°6/12 logic outputs for static relays 15V DC 20mA.
- Alarm output 230V MAX. 150W Neutral.
- Limits of power programmable.
- Choice of control and diagnostics loads methods
- Led for indicating the inputs/outputs status
- Cycle time 60/120 Sec.
- Responce time for User adaptation 2Sec.
- IP 00
- Installation DIN rail
- 6/9 modules sizes





MADE IN ITALY

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HANDLING CONTROL DELIVERY

TECNICAL CARACHTERISTICS OF 9 AREAS CONTROL:

- Control the power consumption of the USER with maximum power setting used.
- Activation of loads based on inputs used and available power.
- Diagnostic testing of loads.

Technical data:

- Power supply 230V.
- Possibility of connect up to external 3 T.A.
- N°9 optically isolated input for voltage 230V AC
- N°12 control outputs NPN 12 Vdc
- N° 1 enabling contact 1 NC 230 Vac
- Limits of power programmable
- Viewing and programming display
- Cycle time programmable
- Expandable up to 3 units
- Installation DIN rail
- 12 modules sizes

MADE IN ITALY

SSR 10A:

- Pilot stage: SCR
- Contact configuration: SPST-NO
- Type of switching: Zero Cross
- Voltage piloting: 3 ÷ 32 Vdc
- Load Voltage: 24 ÷ 280 Vac
- Controllable current on resistive load: 8 A
- Controllable current on inductive load: 4,5 A
- Minimum load current: 50 mA
- Max RMS current overload (1 sec): 24 A
- Max loss current in OFF (rms): 10 mA
- Bar assembling DIN
- 1 module size

SSR 20 A / 30 A:

- Pilot stage: SCR
- Type of switching: Zero Cross
- Voltage piloting: 4 ÷ 32 Vdc
- Load Voltage: 23 ÷ 280 Vac
- Controllable current on resistive load: 20 / 30 A
- Controllable current on inductive load: 5 / 15 A
- Minimum load current: 350 / 250 mA
- Max RMS current overload (1 sec): 35 / 125 A
- Max loss current in OFF (rms): 3 mA
- Bar assembling DIN
- 1 module size







EXTERNAL LOADS MANAGEMENT

For economic regulation of disposal of ice and snows ramps facilities, parking areas and in channels and down drips. The ice and snow formation occur thought a combination of low outside temperatures and humidity, the control unit detects the external temperature and humidity of the area to be heated. The system will be activated only if it's snowing or the ice is forming. This system was created for complete management of a plant with constant power or self-regulating heating cables.

Description	Code	Weight
External control unit for 2 areas	200030000	0,750 kg
Ice-snow sensor	200030001	1,130 kg
Humidity external sensor	200030002	1,094 kg
Temperature external sensor	200030003	0,090 kg

CONTROL UNIT FOR EXTERNAL LOADS:

- Power supply: 230V AC
- N°3 outputs 16 A NA
- N° 2 scr outputs 24 Vdc
- N° 1 enabling contact NA
- Viewing and programming display
- Installation DIN rail
- 9 modules size

MADE IN ITALY



HUMIDITY AND TEMPERATURE SENSOR:

- Power supply: 24 Vdc

- Operating temperatures: -20 ÷ +70 °C

Protection IP68Size: Ø 60*32 mmCable: 10 m

- Assembling: at floor with upper face exposed

MADE IN ITALY



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HUMIDITY SENSOR:



- Power supply: 24 Vdc

Operating temperatures: -20 ÷ +70 °C

Protection: IP68Size: 105*30*20 mm

- Cable: 10 m

- Assembling: on dripes

MADE IN ITALY



EXTERNAL TEMPERATURE SENSOR:

Power supply: 24 Vdc

- Operating temperatures: -20 ÷ +70 °C

Protection: IP55Size: 86*45*35 mmAssembling: on wall

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TECNICAL ATTACHMENT

TOWEL INSTRUCTIONS MANUAL	page 90
ICA CABLE INSTRUCTIONS MANUAL	page 92
CAG CABLE INSTRUCTIONS MANUAL	page 96
CPCA CABLE INSTRUCTIONS MANUAL	page 98
CPCB CABLE INSTRUCTIONS MANUAL	page 100
CSC CABLE INSTRUCTIONS MANUAL	page 102
HOT MIRROR INSTRUCTIONS MANUAL	page 104
SNOW HEAT INSTRUCTIONS MANUAL	page 106
GENERAL CONDITIONS OF SALES	page 107



TOWEL

INSTRUCTIONS MANUAL

Rev. 1.0 del 19/01/2011

1-POWER SUPPLY REQUIREMENTS

This product has to be used only with 230 Vac



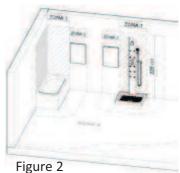
Warning: This power supply is considered to be "HIGHLY DANGEROUS": the device has to be installed by experienced people.

2-INSTALLATION



Keeping the right distances

- This product have be installed at least 10 cm distant from everything surrounds it (fig. 1)
- On bathroom this device can be installed as per zone 2 (fig. 2), complying the directive IEC 364-7-701:1984. This product is supplied with a protection class IP44.
- The heating panel have not be installed under a socket.



Assembling



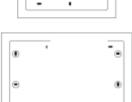


Figure 3

- On the back side of the packaging you can find the temlate: put the carton in the precise installation point and pick following printed shapes (fig. 3) (pay attention to the type of installation: vertical or
- Fix the four stirrups with the suitable pegs (not included), previously chosen in accordance with the features of the wall. Pay attention to respect dimensions as shown in figure 4.
- Install this product on the wall stirrups and screw up in the superior clamps for the final block (figure 5).
- Fix the towel rail (If it is foreseen). Maximum load 10kg.

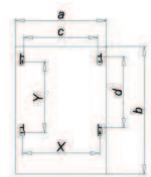


Figure 4

ı	, ,		c (n	nm)	d (r	nm)	X (n	nm)	Y (n	nm)
	a(mm)	b (mm)	vert.	horiz.	vert.	h oriz.	vert.	horiz.	vert.	horiz.
	700	500	407	607	390	190	427	627	390	190
	1100	500	407	1007	790	190	427	1027	790	190
	1600	600	507		1290		527		1290	

Electrical connections

This device is equipped with 1 m long cable for electrical connection, which can be made both through a plug connected into a socket or through a junction box installed near or behind the heating panel.



Temperature Control

This device is equipped with an inner thermo-regulator which starts up when the surface of the panel reaches 80°C. Concerning room temperature control:

- For the version without thermo-regulation, it is advisable to connect power supply to a room thermo-regulator installed inside it.
- For the built-in thermo-regulator version: set the desired temperature up.
 - Push and let the button Confirm " \leftarrow ", visualize "SET" (the top left point as it indicates setting up mode).
 - Push and let the button Confirm "←" in order to display set-up temperature.
 - Push " \uparrow " or " \downarrow " for setting desired temperature up.
 - Push and let the button Confirm "←" if you want to confirm this data: after 15 seconds room temperature will be displayed again.



TOWEL

INSTRUCTIONS MANUAL

Rev. 1.0 del 19/01/2011

3 - DISMANTLING

- Disconnect the power supply cable.
- Screw off as shown in Figure 5.
- Lift the device up from stirrups.



WARNING:



in order to avoid the panel to overheat, DO NOT cover it.



WARNING: This device is not intended to be used by people (including children) with limited physical, sensory or mental capacities, or by people who do not have enough experience or knowledge of handling this product, unless they are supervised or instructed by a person responsible for their safety in using the device.



WARNING: Children have to be supervised for their safety.



WARNING: DO NOT start the panel up when it shows visible damage or it is no longer working



WARNING: DO NOT touch this device if you are wet, especially after having a shower or a bath.



WARNING: This panel reaches a temperature of 80°C: it is advisable to avoid its installation around areas in which it may provoke some problems.



WARNING: Remove the main plug out of the socket before cleaning. Clean with a damp cloth and neutral detergent.



WARNING: Every stone surface of this device has its own peculiar features which depend both on minerals and climate conditions of the place of origin. Accordingly, colours and patterns represented by pictures in the catalogue are merely demonstrative. For that reason, stones which belong to the same class can have different characteristics from each other.

4 - WARRANTY

- The product has 24-month warranty starting from date of purchase.
- The manufacturer is NOT responsible for damaging caused by transport, wrong installation and failure to follow these operating instructions.
- Warranty excludes damage due to external violence or ordinary.

5 - Waste disposal

- This product has been realized with hight quality components and materials which can be recycled.
- Respect the current directives for waste disposal and do not throw old items in the domestic waste.
- Where not necessary, packaging has been avoided. In order to make the waste separation easier, only carton (boxes) and
 Polystyrene (internal proctective packaging)have been used. In any case, dismantling have to be realized by licensed companies
 The correct waste disposal prevents pollution and possible health damages.

Model	Dimensions (mm)	Weight (kg)	Wattage (W)	Voltage (Vac)	Current (A)	Protection class	IP
700	700*500*54	14	350	230	1,5	II	44
1100	1100*500*54	21	500	230	2,2	Ш	44
1600	1600*600*54	37	750/1000	230	3,3/4,3	II	44



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Tel. +39 0422 854199 fax +39 0422 854735 <u>www.cdesignsystem.it</u> <u>info@cdesignsystem.it</u> <u>info@cdesignsystem.it</u>

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Pesign

INSTALLATION MANUAL FOR ICA xx-xxxx CABLE

rev. 1.0 dated 19.01.2011

General conditions

- The ICA xx-xxxx heating cables are designed to be installed inside cement screeds or covered with plasters.
- The heating cable CANNOT BE CUT. Otherwise the product will lose all the electric data plate specifications and also the guarantee. Only the cold supply cable can be shortened.
- The connection point between the hot cable and the cold supply cable must not be bent or installed in a curving point. The hot cable must not touch or overlap other adjacent hot cables. The minimum distance between the cables is 30 mm. The cable radius of curvature must be at least eight times the diameter of the cable itself.
- If the cable is damaged it must be repaired by skilled personnel.
- The supply of each single zone or heating cable must be protected by a suitably-sized protective magnetothermal switch and upstream of the general power supply system there must be a 30 mA differential circuit breaker. In any case the electric system must meet current electrical safety regulations.
- The cables can be kept at a maximum temperature of 70 °C and the laying temperature must not be below -5 °C. The cable operating temperature must never exceed 80 °C.
- Every ICA xx-xxxx cable is identifiable by a plate stating the cable model, date and the values measured during production of the product (from 25 to 200 W: ±10%; over 200 W: +5% +20 W (choosing the highest value) -10%). In order to be sure that the cable is intact, during its installation measure the Ohmic value at the end of laying and after casting the screed and state the values measured in the guarantee certificate checking that these values are within the specified tolerance.
- Measure the insulation resistance of the cable between the supply poles and the shield (yellow/green pole) after casting the screed: the value measured should not be below $0.5~M\Omega$.
- In the event of faults, contact the supplier immediately.
- Before removing the heating cable packing, check that the item is the one required.
- A perimeter expansion strip (min. thickness 10 mm) must be laid to separate the screed from the vertical structures on the whole perimeter of the room to be heated.
- When the area to be heated exceeds 20 m² or the diagonal is longer than 7 m foresee one or more expansion joints. *Laying of the heating cable must not cross an expansion joint!* The cold supply cable can cross the expansion joint only if it is placed in a corrugated pipe that ensures sliding freedom. All the service cables (cold cable and thermal sensor cable) which pass from the screed to the wall must be placed in corrugated pipes to allow sliding freedom between the floor and the wall.
- The heating cables must be installed above a layer of suitably-sized thermal insulation material to prevent thermal dispersion. If it is not possible to place thermal insulation, the heating performance rates are not guaranteed.
- The ICA xx-xxxx cables must never be installed under permanent fixtures like bathtubs, shower bases, furniture with large rest bases, etc., that can block the free circulation of air.
- Keep a minimum distance from the wall of at least 50 mm.
- All the materials used in the construction of the floor (screed cement (duly treated with special thermo-activating additives), tile glue, tiles, carpet, etc) must be approved by the respective manufacturers for use on floors in thermal stress conditions.
- Any use of the cable other than the one specified in this guide must be agreed upon with the manufacturer.

Electrical connection

- The power voltage of the ICA xx-xxxx cables is: 230 V 50 Hz. The product protection class is IP67.
- The protective shield must be connected to an earth pole (PE).

Sizing

• Sizing the power to be installed (W/m2) is subordinated to the degree of insulation of the building increased by 20-40 %. If necessary, the use of auxiliary heating is advisable (electric radiator, warmer rails, etc.) to increase the room temperature in a short time or for brief lengths of time (typically in bathrooms).



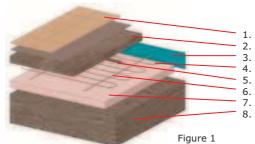
INSTALLATION MANUAL FOR ICA xx-xxxx CABLE

rev. 1.0 dated 19.01.2011

- Take care to comply with UNI EN Std. 1264-4:2003 that establishes the maximum surface temperature of the floor:
 - 29 °C in the areas in which people stay
 - 33 °C in the bathrooms (room temperature 24 °C)
 - 35 °C in the marginal areas (not used as continued living areas by the users)

Laying the cable in the screed

- Clean the surface removing any roughness or cutting parts.
- Lay the heating cable above the layer of thermal insulating material clamping it in the special metal strap (fastened with the
 forks every 500 mm and with a pitch (between one strap and the next) of 500 mm (see figure 2)). Laying must be in
 accordance with the "Laying project" supplied by the designer. Then the screed with the addition of the thermal activator is
 laid. The screed thickness is important with regard to the thermal mass to be heated and consequently to the heating
 response times. To heat a room quickly it is advisable to install the heating cable as near as possible to the floor surface.
 During screed casting, compact it with manual means to avoid damaging the heating cable: never in any case use
 immersion vibrators.
- Before casting the screed make sure that:
 - 1. On the whole perimeter of the room surface there is a perimeter expansion strip at least 10 mm in thickness.
 - 2. When the room to be heated has an area of over 20 m² or a diagonal length of over 7 m, make sure the expansion joints have been provided. When laying the radiating cables, remember that the heating cable cannot cross an expansion joint and that if the cold supply cable crosses a joint, it must be contained in a corrugated pipe.
 - 3. Following the designer's cable laying project, check that the heating cable is not laid under a permanent fixture (bathtub, shower base, fitted wardrobes, etc.) that could block the free circulation of air.
 - 4. Check that the hot cable does not overlap or can touch another adjacent hot cable.
 - 5. Make sure that the corrugated pipe for inserting the screed temperature sensor has been laid.
 - 6. Make sure that the connection point between the hot cable and the cold supply cable is not bent or installed in a curving point.
- 7. Measure the cable electrical resistance and write it in the guarantee certificate.
- To allow correct curing of the cement do not turn on the system before 28 days. If necessary, contact the cement manufacturer for any explanations.
- All the materials used in making the floor (screed, tile glue, carpet, etc.) must be suitable for radiating floors.



- Floor finish
- . Screed
- . Perimeter expansion strip
- Heating cable
- Pipe for screed temperature sensor
- . Cable clamping metal strap
- . Thermal insulation
 - Floor slab



Figure 2

"Laying in the screed"

Laying the cable in self-levelling

- · Lay the heating cables proceedi
- Cover the heating cables w thickness.
- All the materials used in mal

levelling cement 10-30 mm in

floor (screed, tile glue, carpet, etc.) must be suitable for radiating floors.



INSTALLATION MANUAL FOR ICA xx-xxxx CABLE

rev. 1.0 dated 19.01.2011

Laying the cable in tile laying glue

- Lay the cables proceeding as for "Laying in the screed".
- Level the thickness of the cable with floor glue and wait at least 24 hours for it to harden.
- Measure the cable electrical resistance and write it in the guarantee certificate.
- Lay the floor using special glue.
- All the materials used in making the floor (screed, tile glue, carpet, etc.) must be suitable for radiating floors.

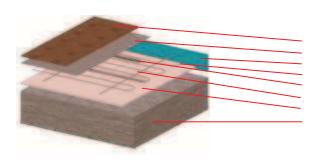


Figure 3

- 9. Floor finish
- Floor laying glue
- 11. Perimeter expansion strip
- 12. Heating cable
- 13. Pipe for screed temperature sensor
- 14. Cable clamping metal strap
- 15. Thermal insulation
- 16. Floor slab

Guarantee

The guarantee is valid if accompanied by the guarantee certificate completed during installation. This guarantee certificate must be completed within 6 (six) months from the date of sale of the product and returned to the manufacturer.

Guarantee claims must be sent to the dealer in writing and be accompanied by the following:

- Copy of the guarantee certificate
- Invoice or purchase document;
- Copy of the installation project.

For validity of the guarantee, it is necessary to prove that the heating cables have been installed following the instructions described herein.



INSTALLATION MANUAL FOR ICA xx-xxxx CABLE

rev. 1.0 dated 19.01.2011



INSTALLATION OF CAG CABLE



1- SPECIFICATIONS

SPECIFICATIONS									
Power (W)	30	60	90	120	150	225	300	375	450
Heating cable length (m)	2	4	6	8	10	15	20	25	30
Power (W)	525	600	675	750	900	1050	1200	1350	1500
Heating cable length (m)	35	40	45	50	60	70	80	90	100

Power supply	230 Vac	Switch off temp.	+15 °C
Insulation	IP67	Cable Ø	6 mm
Max cable temperature	+80°C	Radius of curvature	Cable Ø * 4
Switch on temperature	+5 °C	Supply cable length	1 m – on request

IMPORTANT NOTE:

Carefully read and follow the instructions given herein concerning installation safety and risks. Consult skilled personnel for any doubt.

2- GENERAL

After removing the packing, check that the antifreeze cable is in perfect conditions and has not undergone damage. If visible damage is found, contact the dealer immediately. Dispose of the packaging materials in the appropriate containers.

The anti-freeze cable can be used in all those situations where there is the need to heat: outside piping to prevent the liquid inside from freezing, heating agricultural and nursery cultivations, gardens, etc.. Turning on takes place automatically through the thermostat installed in the cable.

The heating cable has been sized for a power voltage of 230 Vac and it has an insulation and protection class suitable for installation in an outdoor environment and withstanding the aggression of atmospheric agents. Carefully follow the installation instructions: incorrect use of the heating cable might cause damage to it with consequences that can lead to risks of short circuits, sparking fires, electric shock, etc..

3- SAFETY NOTES

- Power the product only at 230 Vac.
- DO NOT power the cable still wound in the coil but only when completely extended, otherwise the cable might be damaged and lose its safety features.
- For any doubt concerning installation, the electric connection point or anything else: consult skilled personnel.
- In applications wound around a metal pipe, do not make the turns too narrow, otherwise the cable might be damaged and lose its safety features.
- The heating cable length cannot be changed.
- Comply with the minimum radius of curvature of 24 mm.
- If maintenance works are carried out in the vicinity of the heating cable: disconnect its power supply.
- Do not disconnect the power plug with wet hands.
- Do not disconnect the power plug pulling the cable.
- Make sure that the heating cable, the power cable and plug are not subject to external pulling, twisting or pressing.
- For safety reasons, the pipes or any metal structures in contact with the heating cable must be connected to the earth system.
- During installation, take care not to damage the cable with sharp or pointed objects. Should the cable reveal signs of breakage, switch off the power supply immediately.
- Always switch off the power supply for cleaning the cable, which should be carried out using a damp but not wet cloth.
- If the cable is not used for long lengths of time, it is advisable to disconnect the power supply and keep the cable in a dry place.
- Should operating safety of the cable be questioned for any reason, it is necessary to disconnect the appliance power supply and make sure that it cannot be switched on inadvertently. The cases may be:
 - The heating or power cable visibly damaged
 - The device is not working as specified
 - o The device has been kept in less than optimum conditions
 - The device has been transported incorrectly
- Do not allow children near the device when it is connected to the power supply.
- This installation manual is an integral part of the device and must be kept with care. Should the device be transferred to others, it must be accompanied by this installation manual.
- If the installation manual is not sufficiently clear, or if there are some questions that are not dealt with, contact skilled personnel.
- This device is not suitable for use by persons (including children) with physical impairments, mental weaknesses or who do not have enough experience or knowledge in handling the product, unless they are assisted by skilled personnel.

4- INSTALLATION AND STARTING

Before installing the device, make sure that it is working properly, unrolling the cable completely on the ground and connecting it to a power socket. After cooling the thermostat with ice, check that the cable heats. Remove the ice from the thermostat and check that the thermostat cuts off the power and the cable cools

HEATING GROWING BEDS

Lay the cable on the nursery bed to be heated forming a coil with a distance between turns of 10 - 15 cm and cover everything with soil. Lay the power cable, ensuring that it is protected and cannot be jerked or shocked from outside and connect the plug to a power socket. The heating cable will stay cold until the temperature of the thermostat, inserted in the cable and positioned in a sensitive area to be monitored, reaches the temperature of 5°C and attracts the power supply of the coil, thereby heating to avoid the formation of ice in the bed.

PIPE HEATING

a- Preparation of the pipe:

before installing the heating cable, make sure that the area around the pipe is free and accessible has no sharp edges.

- Positioning the thermostat:

The thermostat is positioned in the connection point between the power supply cable and the heating cable, which is identified by a rubber connection with a protruding cylindrical head. It is important to fasten this cylinder in contact with the pipe we want to protect against freezing. The cable will remain cold until the thermostat temperature reaches 5°C.

c- Cable fastening:

the cable can be fastened under the pipe or wound around the pipe (in this case keep a minimum distance of 10 cm between one turn and another). Important: avoid X crossings of the heating cable to prevent overheating in the crossing point, which could damage the cable. Fasten the cable at regular intervals using adhesive tape, preferably aluminium adhesive tape. Ensure that there is good contact between the heating cable and the pipe to be heated.

Care with pipes made of plastic material:

Cover the pipe with a sheet of aluminium, install the heating cable, then cover it with another sheet of aluminium to improve spreading of the heat.

d- Insulating the pipe:

It is advisable to install a further thermal insulation around the pipe. There are products in commerce for this purpose based on polyurethane foams or rock wool- This insulation is essential in very cold areas and also helps to reduce electricity consumption.

e- Connection

after installation, connect the plug to the power socket before the first signs of frost.

HEATING OF GUTTERS AND DOWNFLOW PIPES

a- Preparation:

before installing the heating cable, make sure there are no sharp edges in the vicinity of it.

b- Cable installation:

in the gutters it is advisable to install at least 30 W/m, therefore several passes with the heating cable are required, keeping a distance of 5-7 cm between one pass and the next. This also holds for downflow pipes. When laying the cable make sure that the cables are well extended and that there are no crossings of the hot part that might cause overheating and therefore damage to the cable itself.

c- Connection:

after installation, connect the plug to the power socket before the first signs of frost.

5- CLEANING, REPAIR AND DISPOSAL

- o For cleaning do not use any kind of lubricant or detergent
- o Disconnect the power supply before carrying out any cleaning operation
- Use a damp cloth to clean
- O Dispose of the product in the appropriate containers
- o The device may only be repaired by skilled personnel. Therefore, please contact the manufacturer or dealer.
- o If repair is not carried out by skilled personnel, the product guarantee is invalidated
- O An incorrect repair poses a hazard for those using the product and surrounding people

6- GUARANTEE

The product is guaranteed for 2 years (from the date of purchase). The guarantee does not include damage due to external harmful events, incorrect use of the product and the failure to adhere to the specifications given in this manual.

The manufacturer declines any liability for any damage produced by frost, due to inadequate heating power or insufficient thermal insulation.

IMPORTANT NOTE:

the product may only be repaired by the qualified service centre and only genuine spares must be used.

The guarantee of perfect operation and reliability of the product is given only if it is installed and handled correctly.

C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV
Tel. +39 0422 854199 fax +39 0422 854735 www.cdesignsystem.it info@cdesignsystem.it



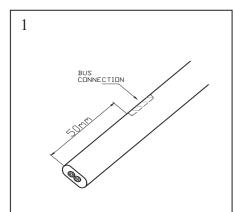
HEATING CABLE CPCA INSTALLATION INSTRUCTIONS

rev. 1.0 del 19.01.2011

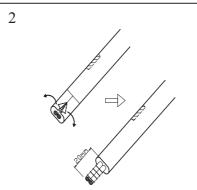
The following installation procedures are suggested guidelines for the installation of termination connection systems of C Design heating cable CPC. The following guidelines are not preclude the use of other assembling methods or the use of different materials. Installation must comply with C Design requirements for the heating cable and any other applicable National and local laws.

KIT "C	DESIGN KCPC0001" CONTENTS:	TOOLS REQUIRED
Quantity	Description	Wire cutter
1	End cap Ø 9/3 L=50 mm	Trimming knife
1	Shrink Sleeve Ø 9/3 L=25 mm	Hot air gun

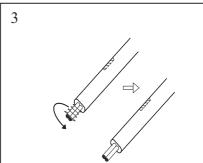
END SEAL



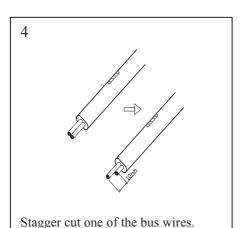
Cut the heating cable 50 mm from the bus connection.

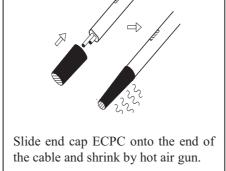


Cut and remove insulation racket for 20 mm.

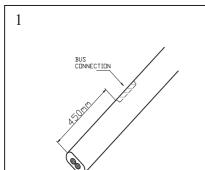


Cut and remove heating element wire. Push any remaining heating element wire under the insulation jacket. Do not cut bus wire insulation.

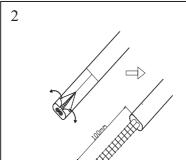




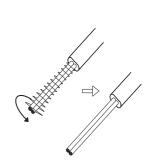
POWER CONNECTION



Cut the heating cable at least 450mm from the first bus connection.

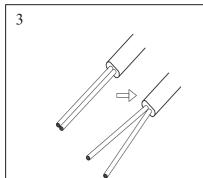


Cut and remove insulation jacket for

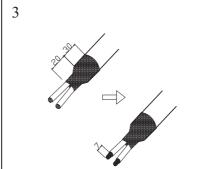


3

Cut and remove heating element wire. Push any remaining heating element wire under the insulation jacket. Do not cut bus wire insulation.



Divide bus wires cutting insulation jacket in the middle.



Position heat shrink sleeve SCPC as show and shrink by hot air gun. Remove for 7mm insulation jacket on conductors.

WARNINGS:

- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a group-fault protection device is requested.
- Keep ends of heating cable and kit components dry before and during installation.



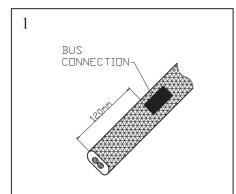
HEATING CABLE CPCB INSTALLATION INSTRUCTIONS

rev. 1.0 del 19.01.2011

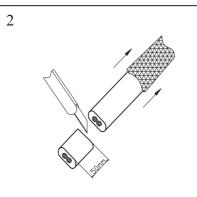
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KIT '	"C DESIGN KCPC0001" CONTENTS:	TOOLS REQUIRED
Quanti	ity Description	Wire cutter
1	End cap Ø 9/3 L=50 mm	Trimming knife
1	Shrink Sleeve Ø 9/3 L=25 mm	Hot air gun

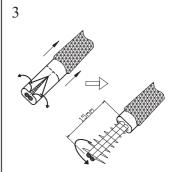
END SEAL



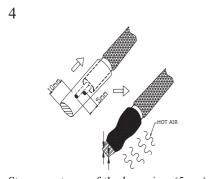
Cut the heating cable at 120mm from the bus connection (black point on the surface of the cable).



Push back metallic braid. Cut 50mm of heater.



Cut and remove the insulation jacket and the heating wire. Push any remaining heating element wire under the insulation jacket.

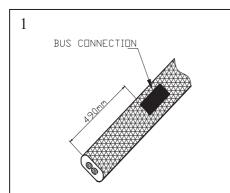


Stagger cut one of the bus wires (5mm). Position the heat shrink sleeve SCPC2 as shown and shrink by hot air gun. Squeeze the sleeve end to stick

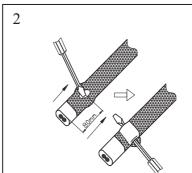


Pull back braid to cover the sleeve SCPC2. Twist the braid end and bend it. Position one heat-shrink sleeve SCPC1 as shown and shrink.

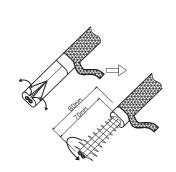
POWER CONNECTION



Cut the heating cable at least 490mm from the first bus connection (black point on the surface of the cable).

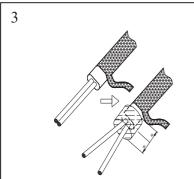


Make an opening at 80mm. Push back braid to increase its diameter and loosen. Remove the heater

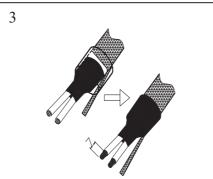


3

Cut and remove the insulation jacket and the heating wire. Push any remaining heating element wire under the insulation jacket.



Be sure bus wire insulation must not be damaged. Position one heat shrink sleeve SCPC1 as shown and shrink by hot air gun.



Position one heat shrink sleeve SCPC1 as show and shrink by hot air gun. Remove for 7mm insulation jacket on conductors.

WARNING:

- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a group-fault protection device is required.
- Keep ends of heating cable and kit components dry before and during installation.



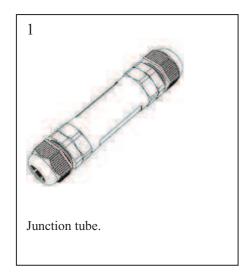
CSC HEALTING CABLE ASSEMBLY INSTRUCTION

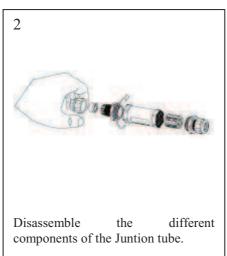
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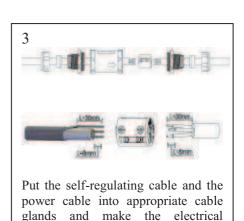
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KIT "C D	ESIGN KCPC0001" CONTENS:	
Quantity	Description	
1	Junction tube	Wire cutter
1	End cap at the end of the cable	Hexagonal wrench n° 29, n° 24

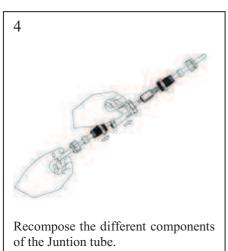
CONNECTION OF THE POWER CABLE

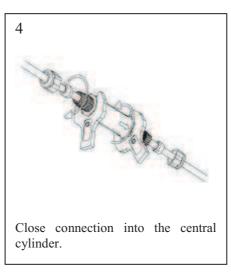


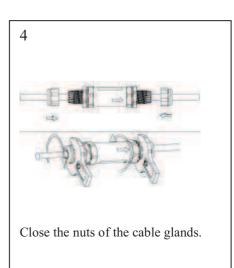




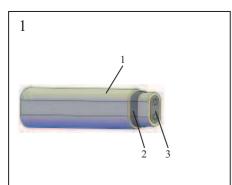
connections in the terminal.



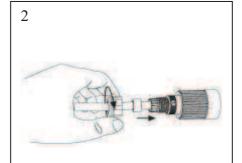




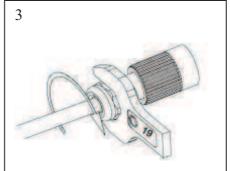
INSULATION OF SELF-REGULATIONG CABLE



Strip 10 mm the first isolation (1) shorten the metal braiding (2) and make sure that the metal braiding is not touching resistive element (3).



Plug the self-regulating cable into cable gland of the cap.



Close the nut into the cable gland.

WARNING:

- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a group-fault protection device is required.
- Keep ends of heating cable and kit components dry before and during installation.

Pesign

HOT MIRROR HMXXX INSTALLATION SHEET

rev. 1.2 dated 04.04.2012

HOT MIRROR

The ideal heater for bathrooms, HOT MIRROR ensures perfect clarity of the mirror surface in correspondence with the dimensions of the heating sheet applied on the back of it and in the surrounding areas.

Easy to install, HOT MIRROR is self-adhesive and, after removing the adhesive protection, it is merely fixed on the back of the mirror at the required height.



GENERAL CAUTIONS:

- This device is for indoor use only.
- Do not use for purposes other than the one foreseen.
- Make sure that the voltage stated on the appliance corresponds with your power mains.
- Do not use if the cable or plug are damaged.
- Do not leave the appliance connected to the mains pointlessly.
- Before doing any cleaning, disconnect the plug from the mains.
- Keep out of the reach of children. Do not attempt to open the appliance in any way.
- If the supply cable is damaged it cannot be changed or repaired. In the event of damage, change the whole unit. This operation must be carried out by skilled personnel to prevent any hazard.
- The appliance, complete with power cable, must be made inaccessible, by the user, after installation.
- Do not place thermal insulations on the back of the product (wood, fiberglass, etc.). They could cause poor thermal exchange and consequently increase the temperature of the mirror with the risk of breaking it.
- Do not install the appliance on mirrors that have holes. This condition might cause the mirror to break due to thermal expansions.
- Do not fit on metal, plastic, wood, or cardboard surfaces or on anything else that is not glass.
- Product not suitable for mirrors in which after installation the section of mirror is not closed by a frame of insulating material (wood, plastic, etc.). Otherwise the capacitive currents (at low ampere volume) might be felt by the user in correspondence with the glass cutting points or in the metal parts in contact with it.
- Install only in environments with protection class IPx4 or lower.
- Installation must be carried out only by skilled personnel and according to current regulations.
- Clean the surface of the mirror before installing the HOT MIRROR.
- Do not pierce, cut, bend, apply on pointed surfaces or with blades, chips or anything else that might damage the product.
- After installation, make the power cable inaccessible to prevent any contact with the user.
- For further information about particular installations info@cdesignsystem.it

HOT MIRROR HMXXX INSTALLATION SHEET



rev. 1.2 dated 04.04.2012

INSTRUCTIONS

HOT MIRROR is to be applied on the back of the mirror and directly on the glass at the required height, keeping in mind that the part that will be clean will correspond with the sheet applied on the back.

- 1. Clean the mirror surface, remove the protective liner from the back of the heating sheet and apply it directly on the glass at the required height.
- 2. There must be a space of approx. 10 mm between the mirror and the wall. This is to allow housing of the power cable and avoid rising in temperature due to poor ventilation.
- 3. Connection to the mains must be carried out by skilled personnel according to current regulations.
- 4. It is advisable to control the anti-condensation system through a switch, placed for example in the bathroom light switch area.
- 5. Turn on the switch to which the HOT MIRROR is connected, just before entering the shower. A production of heat will start immediately that will not allow the steam to mist the mirror.
- 6. It is advisable to turn off the switch as soon as use is no longer needed.

Sizes	Power rate	Power voltage
280 x 280 mm	15 W	230 Vac – 50 Hz
400 x 280 mm	25 W	230 Vac – 50 Hz
500 x 500 mm	55 W	230 Vac – 50 Hz
450 x 1000 mm	100 W	230 Vac – 50 Hz

Customised power ratings and sizes can be made



WARNING:

If the heating sheet is removed from the mirror it can NOT be re-used. Removal might damage it or prevent it from working properly.

For any information about the product and installation send an e-mail to: info@cdesignsystem.it
Tel. 0422-854199

GUARANTEE

The HOT MIRROR appliance is guaranteed for 24 months from the date of purchase, for material or manufacturing flaws. The guarantee consists in the replacement or repair free of charge of the appliance components proving to be defective at the origin or due to manufacturing flaws. The guarantee is not valid if the defects are due to tampering, negligence or improper use of the appliance. If the appliance is returned for repair, it must be accompanied by the invoice or receipt, proving the date of purchase.

The shipment and return costs are at the purchaser's expense. No liability is undertaken for damage caused by the appliance to persons, animals or property due to the failure to heed the cautions and instructions for use given herein.

SNOW HEAT SHXXX DATA SHEET



rev. 1.2 del 04.04.2012



SNOW HEAT

SHOW HEAT is a heating film that has to be stuck on the photovoltaic module back side: its purpose is melting snow which lies on it and let the panel work properly.

Show Heat is easy to install and thought to reduce application operations:





- clean up the panel back side from dust, oil and substances which may avoid sticking (cleaning has to be done with suitable products and cloths according to its constituent material and elements which have to be taken away);
- rip up the protective film from Snow Heat, make a slightly pressure while you are setting it on the back side of the photovoltaic panel, maybe with a gummy roller. Make sure you have completely stuck it on the whole module surface.
- Install the photovoltaic panel and connect Snow Heat connectors to the closer module. You can connect a maximum of pieces that you can check in the following chart.
- the last female connector of the line has to be closed up with its special cap.

	Model	Volt supply	N° max modules per line	Dimensions
SH 180	Power 180 W	230 / 400 Vac 50/60 Hz	18 / 31	1500*750*4 mm
SH 200	Power 200 W	230 / 400 Vac 50/60 Hz	16 / 28	1480*900*4 mm
SH 250	Power 250 W	230 / 400 Vac 50/60 Hz	13 / 22	1500*900*4 mm
Maximum power connector		230 / 400 Vac 16 A 50/60 Hz	Weight	1,4 kg
Protection grade		IP67	Thickness aluminium film	0,155 mm
Insulation class		0	Type of adhesive	Acrilico
Operating temp	perature	-25 ÷ + 110 °C	Steel stickness	5 N/cmq
Cable		3*1,5 H07RN-F	Stretching	3%
Lenght cable		1000 mm	Certification	C€

Installation temperature:

The best installation temperature of the adhesive film is between 18°C and 35 °C. In case of lower temperature application, its adhesive capacity becomes less powerful.

Maintenance:

It is advisable not to overtake Snow heat on stock longer than one year at 20°C. For a correct maintain ance, humidity of the air should be kept between 50 and 70% and it has not to be exposed directly to UV rays



Warnings: DO NOT start it up if the temperature is higher than 10°C.



Warning: This device is NOT intended to be used by people (including children) with limited physical, sensory or mental capacities, or by people who do not have enough experience or knowledge of handling this product, unless they are supervised or instructed by a person responsible for their safety in using the device.



Warning: Children have to be supervised for their safety.



Warning: For disconnection from supply mains must be incorporated device that provide full disconnection under overvoltage category III conditions.



Warning: If the supply cable is damaged, it must be replaced by the manufacturer or his technical assistance or a qualified person in order to avoid all risks.

C DESIGN s.r.l. via CHIESA,71 31047 - Loc. Negrisia - PONTE DI PIAVE - TV



CONDIZIONI GENERALI DI VENDITA

GENERAL SALES CONDITIONS

- 1- From the time of its acceptance, this proposal must be considered as a sale contract for all legal purposes. The proposal is considered tacitly accepted the moment in which the purchaser receives the first delivery of material.
- 2- Italian market: orders are accepted for a minimum sum of 100 euros, any lower sums may be filled at the seller's discretion.
- 3- The agreed prices are those contained in the retailer's price lists and are inclusive only of packing expenses according to the company's standard and those concerning the technical literature attached to the products dealt with.
 - During the period that elapses between the signature of the order and the first delivery, the seller reserves to change the price lists against any unforeseeable events.
 - This change will be considered as automatically accepted by the purchaser save express written notification to the contrary.
- 4- The failure to settle the sums agreed upon within the terms foreseen by the particular conditions will involve charging interest on arrears of 0.9% per month plus bank expenses.
- 5- The purchaser may not raise any objection in order to delay payment.
- 6- Transport is charged entirely to the purchaser and the goods are sold on an ex factory basis by the seller.
 - By signing this document, unless other specifications are made, the purchaser engages the seller to negotiate on its behalf and fully autonomously the transport and other accessory services and the procedures for performing them, including the stipulation of an insurance contract concerning the goods transported.
 - In this hypothesis the expenses associated with transport, other accessory services and insurance will be charged to the purchaser. The purchaser is informed that, in the event of it being unable to check the goods at the time of receiving, it will have to accept the goods with reservation to check and claim any defects to the carrier within 8 days from delivery.
 - The purchaser may, however, have the goods collected c/o the seller's factory by its appointees.
- 7- The material travels at the purchaser's risk and peril and, in the hypothesis of transport organised by the seller as mentioned in the previous art. 6, the purchaser must place its claims directly with the carrier.
 - The documentation required for the insurance reimbursement procedure must be promptly sent to the company.
- 8- The terms of delivery are indicative only and not peremptory, referring to working days calculated according to company agreements starting from the date of receiving the confirmed and signed order c/o the Seller's premises. Any delays cannot give rise to claims for damages or cancelling or reducing the order and unforeseen events, such as lack of energy, strikes, fires, difficulty in transports, machine failures, difficulty in procurement of raw materials, constitute force majeure causes for the seller.
 - In the event of the failure to deliver the goods prepared, due to reasons not depending on the seller, the terms of payment will equally take effect from the goods ready notice and the storage expenses will be charged to the purchaser with exemption of the seller from any liability for fire or damage.

The seller reserves the right to bring forward the date of delivery with respect to the agreed date.

- 9- The products sold are guaranteed against manufacturing faults for 24 months from shipment (unless otherwise indicated in relation to the type of product).
 - The guarantee is limited to the replacement of any product acknowledged as defective.
 - The seller in any case declines any liability resulting from the incorrect installation or improper use of the products sold.
- 10- Any flaws and defects of the material, whether they be related to faults covered by the guarantee mentioned in the previous point 9, or in any other hypothesis, must be claimed from the seller within the terms of the law otherwise they will be invalidated.
- 11- The ownership of the goods is reserved to the seller up to the time of payment of all the goods, expressly prohibiting the purchaser from transferring or neglecting the intactness of the goods until the time of complete payment. The seller reserves to transport any goods already installed if the purchaser fails to settle even only one instalment and the instalments settled until that time will be withheld by the seller as depreciation of the material and damage reimbursement in waiver to the proposal of art. 1526 of the Civil Code the seller is authorised to inform the third parties concerned about the contract and the title retention agreement.
- 12- Any waiver to these particular and general conditions shall be agreed upon between the parties in writing.
- 13- The seller reserves to accept returns against products acknowledged as defective and covered by the guarantee. The return conditions are to be considered carriage paid.
- 14- In the supposition of continuous supplies the seller may suspend the supplies themselves should the purchaser prove to fail to fulfil only one of the particular or general conditions agreed upon.

In this case any agreements for the allocation of bonuses or target achievement will be invalidated.

- 15- The price given refers to the single item (price), where not otherwise specified.

 If the item is a kit composed of several components, also identical, the price refers to the complete kit.
- 16- For any legal dispute, none excluded, it is exclusively agreed that the pertinent tribunal is that of the court of the place in which C DESIGN s.r.l. has its registered headquarters.

The purchaser declares to have read the above-mentioned general conditions and accepted them in full.

It also declares that it has received a copy of them and viewed the Information statement about personal data also available on the Internet site of C Design s.r.l.

THE PURCHASER	
	place and date
	vil Code, the purchaser declares that after careful reading it approves the contract

In accordance with clauses 1341 and 1342 of the Civil Code, the purchaser declares that after careful reading it approves the contractual clauses of points 1 Subject of the contract, 2 Entity of Italian orders, 3 Prices, 4 Interest on arrears, 5 Prohibition of exceptions, 6 Transport-acceptance procedures with reserve, 7 Transport risks, 8 Terms of delivery, 9 Guarantee for flaw and defects, 10 Terms for flaw claims, 11 Title retention, 12 Changes in writing, 13 Return of goods, 14 Continuous supplies, 15 Price specification, 16 Competent tribunal,

confirms that it has received a copy of these conditions, authorising the treatment of personal data in accordance with Law by Decree 196/03.

THE PURCHASER	
	place and date



RESPECT THE ENVIROMENT!

C DESIGN products are made with high quality materials and components that can be recycled and reused. Please follow local regulations for disposal of waste and don't toss your old products in the normal household waste. The proper disposal of your old products helps prevent environmental pollution and damage to health.

The company reserves the right to change without notice specifics of the products details declining any responsibility for incorrect data.



C DESIGN s.r.l.

Via Chiesa, 71 31047 Negrisia di Ponte di Piave (TV) Tel. +39 0422 854199 fax +39 0422 854735 www.cdesignsystem.it info@cdesignsystem.it