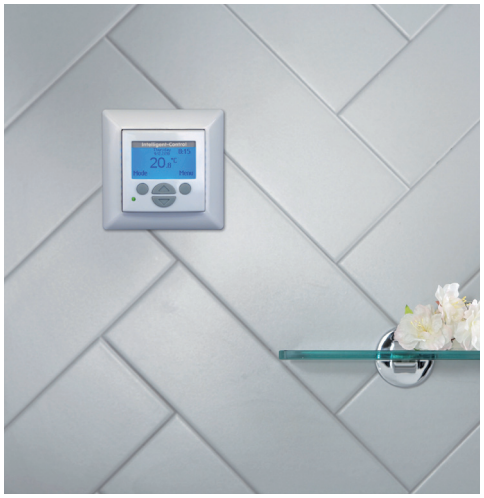

Intelligent Control Thermostat

Including floor sensor and built in air temperature sensor

The electronic thermostat features a clearly readable display, it includes a timer, can be pre-programmed using a three-part menu structure and has been specifically developed to meet the requirements of an electrical heating system.

Instructions are provided within the thermo-stat/timer itself, so no further instruction manual is required. The thermostat has instructional software built in, using a menu structure resembling that used with PCs and mobile phones which will guide you around the program. The start-up menu which appears when the thermostat is initially connected allows a number of standard settings to be input by the installer and stored in the memory. Once this special one-off menu has been worked through the installer can input the date and time of installation, which means that he does not need to come back: the thermostat will start up automatically once the preset drying time for the floor has elapsed. The user can modify or correct the program using the Menu button, and temporary changes can be input via the Mode button. The more critical menu functions bring up warnings that the manufacturer should be contacted via our helpdesk. A variety of such features makes this product thoroughly user and installer-friendly.

Multifunctional: De Intelligent-Control has been specially developed for electrical floor heating but has multifunctional capabilities and is suitable for all other systems whether in or on the floor, wall or ceiling.

KEY FEATURES:

4 button control
Intelligent / self learning function
Advanced menu for type of heating system and construction of floor, wooden floor function
Large (42 x 21 mm.) LCD display
Auto Backlight
LED signal support
Start up menu
On screen instruction manual
On screen support in over 10 languages
Control screen for various functions like adjusted comfort and setback periods
Timer function
Hidden advanced function menu
Internal air sensor
external floor sensor / limit sensor
Graphic energy consumption menu
Child lock
Different menu's separate accessible
Warning signals to prevent undesirable adjustments
Self control
Back up battery for power interruption (24hrs.)
Standardized flush mounting measurement
Multi-frame adaptor system (Elko, Busch Jaeger, Merten)
Slow start-up function
6 order pilot wire function

INSTALLER MENU:
Start up menu for installers:
- welcome text
- language setting
- date and time
- type of heating system
- type of floor construction
- setting comfort temperature
- confirmation standard comfort program
- Timer function settings

After the installer adjusted the Intelligent-Control to the end users preferences the timer function ensures a thorough drying period before the system automatically starts to work.

INTELLIGENT FUNTION:
The intelligent function reckons with various user related properties such as type of floor, construction and The intelligent function will shorten the needed warm up period and adjust the different setting automatically. This prevents loss of extra energy and ensures the end user a maximum of comfort against a minimum energy consumption.

C&F Technics

C&F Technics B.V.
Stevinweg 8
NL-4691 SM Tholen
The Netherlands

Tel: +31(0)166-609.300
Fax: +31(0)166-604.877
Email: info@electricalheating.com
Website: www.electricalheating.com

MULTI FRAME ADAPTOR SYSTEM:
2 Different frames and base plates are delivered with the themostat. This way the thermostat can addapt to any brand of installation material.

POWER:
Supply voltage 230V / 50-60Hz +- 15%
Maximum current output 16A (3400W/220V)
Energy consumption 5W +- 10%

USAGE:

Safety	Power cut off = relay off
Temperature range	+5/+45°C
Temperature limitation	+5/+45°C
Temperature setback	Automatic through intelligent function
	Manual 0.1 - 10°C
Ambient temperature	0/+40°C
On/Off differential	Standard 0.4°C / Adjustable 0.1 - 1°C

DELIVERY TERMS
Delivered incl. internal air sensor, external floor sensor and installation manual / instructions

PHYSICAL:
Measurements 100 x 225 x 500 mm. (hxdxw)
Packed 75 x 110 x 115 cm. white box
Weight 225 gr. (115 gr. net)
Sensor type NTC
Housing IP21
Approvals CE, FI.
Guarantee 2 years
Color RAL 9010
Build in Standard DIN junction boxes
Compatible Bush Jaeger, Merten, Elko.

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