

TEMPERATURE & HUMIDITY CONTROLLER FOR FAN COILS OPTIONAL TELEMAGEMENT

XTU 618

TELEMAGEMENT C-Bus: Enabled with ACB 460 accessory.

PREDISPOSTO
C ← BUS



APPLICATION

Designed for winter and summer control of the control of room temperature and humidity and/or discharge air in fan coil zones.

Essential sensors: 1 room or air duct temperature sensor.

Optional accessories: 1 flow temperature sensor, 1 outside temperature sensor, 1 room or air-duct humidity sensor, 1 battery frost protection sensor, 1 set-point adjuster, 1 remote control.

Features

- Power supply: 24V~; Consumption: 5VA; DIN 105 x 115 modular enclosure; Protection: IP 40.
- Digital programming by means of 4 keys and alphanumeric display.
- Timed programming: 24hour and 7day.
- Programming with dates: 25 holiday periods; winter season; summer season.
- Automatic switching GMT – BST.
- Winter and summer control of room temperature or of discharge air by:
 - three-wire modulating control or On-Off in two stages.
 - winter and summer minimum and maximum limits of discharge air temperature.
 - maximum temperature differential between winter discharge air and room to avoid stratification of warm air.
 - maximum temperature differential between summer discharge air and room so as to avoid condensation in the discharge air duct.
- Winter control of room humidity or of discharge air by On-Off control of humidifying unit.
- Control zone fan and pump by timed program in use.
- Three-wire On-Off control for season switching primary circuit.
- Season switching:
 - manual from display.
 - by remote control (manual change-over switch or from other devices).
 - automatic in relation to season.
 - automatic in relation to outside temperature.
- Control Frostpro temperature battery.
- Remote adjustment temperature setting.
- Remote control for changing timed events programme in use.
- Alarms for plant faults and for open or short sensor circuit

Code	Description	Data Sheet
XTU 618	Temperature & humidity controller for fan coils optional telemagement.	E 113

SENSORS AND ACCESSORIES

Code	Description	Application range	Sensing element or signal	Data Sheet
ACB 460	Plug-in for C-Bus communication	–	–	T 433
STA 010	Air duct temperature sensor (extract or discharge air)	0 ... 60 °C	NTC 10 kΩ	N 150
SAB 010	Room temperature sensor	0 ... 40 °C	NTC 10 kΩ	N 111
STA 001	Air duct temperature sensor (external)	–40 ... 40 °C	NTC 1 kΩ	N 150
SAE 001	Outside temperature sensor	–40 ... 40 °C	NTC 1 kΩ	N 120
SAF 010	Cable-type temperature sensor	0 ... 40 °C	NTC 10 kΩ	N 145
SUR 704	Relative humidity and temperature sensor	10 ... 90 %	0 ... 10 V–	N 221
SAU 914	Relative humidity & temperature sensor	10 ... 90 % 0 ... 40 °C	0 ... 10 V– NTC 10 kΩ	N 227
CDB 100	Set point adjuster with incorporated sensor	–5 ... +5 °C	NTC 10 kΩ	N 710
CDB 333	Remote control for adjusting program in use	–	–	N 710