

## 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 Frospot 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
<b>XTU 618</b>	Temperature & humidity controller for fan coils optional telemagement.	E 113

#### SENSORS AND ACCESSORIES

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