

TEMPERATURE CONTROLLER FOR 2-BATTERY AIR-HANDLING UNITS OPTIONAL TELEMAGEMENT

XTA 624

TELEMAGEMENT C-Bus: Enabled with ACB 400 accessory

PREDISPOSTO
C ← BUS



APPLICATION

Designed for the control of ambient temperature and/or of the discharge air in air-handling units comprising:

- 1 or 2 heating and/or cooling battery units.
- 1 air mixing unit or 1 heat regenerator.

Essential sensors: 1 room or air duct temperature sensor.

Optional accessories: 1 flow temperature sensor, 1 pre-heating temperature sensor, 1 outside temperature sensor, 1 set-point adjuster.

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.
- Two 3-wire modulating outputs or On-Off in two stages (2 equal loads) or three stages (2 unequal loads) configurable for:
 - control of room temperature according to the heating and cooling values requested with summer outside compensation, minimum and maximum limits of flow in order to avoid current of cold air.
 - control of flow temperature in relation to values requested by heating and by cooling with, if required, winter and summer compensation.
 - control of fixed point pre-heating temperature.
- One progressive 0...10 V- output configurable for:
 - control of air mixing in comparison with room – outside temperature (free cooling).
 - control of heat regenerator in relation to room – outside temperature.
- Manual or automatic season switching of the controller functions.
- Adjustment of temperature setting by means of remote control.
- Alarms for plant faults and for open or short sensor circuit.

Code	Description	Data Sheet
XTA 624	Temperature controller for 2-battery air-handling units optional telemanagement.	–

SENSORS AND ACCESSORIES

Code	Description	Application range	Sensing element	Data Sheet
ACB 400	Plug-in for C-Bus communication	–	–	T 433
SAE 001	Outside temperature sensor	–40 ... 40 °C	NTC 1 kΩ	N 120
STA 010	Air duct temperature sensor	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
CDB 100	Set point adjuster with incorporated sensor	–5 ... +5 °C	NTC 1 kΩ	N 710