

# OPTIMISING COMPENSATOR FOR HEATING PLANT ROOM OPTIONAL TELEMANAGEMENT

# XTE 611





# TELEMANAGEMENT C-Bus: Enabled with ACB 468 accessory

## APPLICATION

- Designed for control of small and medium-size heating plant rooms comprising:
- 1 single- or two-stage boiler, or double furnace (two single-stage burners).
- 1 centralised heating plant room.
- •1 calorifier for DHW.
- Communications with other controllers via C-Ring serial connection.
- Essential sensors: 1 outside sensor, 1 heating flow sensor, 1 boiler sensor.

### Optional accessories: 1 room sensor, 1 DHW sensor, 1 or 2 flue gas sensors, 1 remote control.

### Features

- Power supply: 230V~; Consumption: 5VA; DIN 105 x 115 modular enclosure; Protection: IP 40.
- Digital programming by means of 4 keys and alphanumeric display.
- Setting dates for heating season and automatic switching between GMT BST.
- Seven 24hour programs, two 7day programs, 25 holiday periods and one special period with dates.
- Fixed point or variable control of boiler according to max. temperature requested by heating, etc zones:
- On-Off control of one single- or two-stage burner or 2 single-stage burners.
- Control boiler anticondensing (closure of heating valve).
- Theoretical metering of operating hours of the two burner stages.
- Compensated control of centralised heating plant room:
- Modulating control of valve by 3-wire reversible actuator.
- Control of heating pump in relation to times and demand for heat.
- Optimisation of start and stop times.
- Minimum and maximum limits of flow temperature.
- Manual correction heating curve point of origin (compensation for intermediate seasons).
- Automatic adjustment of heating curve in relation to room temperature (ambient authority).
- Eco Off function: switching off heating zones when weather mild.
- Remote control for changing program in use (as alternative to temperature flue gases & On-Off alarm).
- Control production of DHW:
- On-Off control of calorifier pump by timed programs independent of heating.
- "DHW priority" (closure heating valve).
- Antibacteria function: once a week at 70°C for 90 minutes.
- Summer exercise function for valves and pumps.
- Three inputs On-Off alarms.
- One configurable input: remote control or flue gases temperature Pt 1k? and On-Off alarm.
- One configurable input: measurement 4 ... 20mA or flue gases temperature Pt 1 k? and On-Off alarm.
- Alarms for plant malfunctioning and for open or short sensor circuit.
- Degree-days metering.

Code	Description	
XTE 611	Optimising compensator for heating plant room optional telemanagement.	B 252

### SENSORS AND ACCESSORIES

Code	Description	Application range	Sensing element	Data Sheet
ACB 468 SAE 001 SIH 010 SCH 010 SAB 010 STF 001 CDB 300	Plug-in for communication via C-Bus Outside temperature sensor Immersion temperature sensors Surface temperature sensor Room temperature sensor Flue gases temperature sensor Remote control to modify program in use	-40 40 °C 0 99 °C 0 99 °C 0 40 °C 0 500 °C -	- NTC 1 kΩ NTC 10 kΩ NTC 10 kΩ Pt 1 kΩ -	T 433 N 120 N 140 N 130 N 111 N 165 N 710