

## OPTIMISING COMPENSATOR FOR HEATING PLANT ROOM OPTIONAL TELEMAGEMENT

### XTE 611

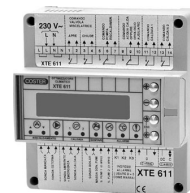
**TELEMAGEMENT C-Bus: Enabled with ACB 468 accessory**

**WEB  
GAR  
AGE**

PREDISPOSTO

**C ← BUS**

**C ← RING**



#### 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 $\Omega$  and On-Off alarm.
- One configurable input: measurement 4 ... 20mA or flue gases temperature Pt 1 k $\Omega$  and On-Off alarm.
- Alarms for plant malfunctioning and for open or short sensor circuit.
- Degree-days metering.

Code	Description	Data Sheet
XTE 611	Optimising compensator for heating plant room optional telemagement.	B 252

#### SENSORS AND ACCESSORIES

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