COMPENSATING OPTIMISER FOR 1, 2-STAGE MODULATING BURNERS WITH 0.10 V DC INPUT

XCC 618

TELEMANAGEMENT C-Bus: Enabled by ACB 400 accessory

APPLICATION

- Designed for the total control of burner/boiler (condensation or not).
- The 1, 2-stage or modulating burner can be controlled by switches or via the 0…10 V input.
- By equipping all the boilers present on site with XCC 618, and a single boiler with XTC 638, you can achieve a sophisticated sequence with 1, 2-stage or MODULATING BURNERS and so obtain the maximum SEASONAL OUTPUT. The whole system is especially suitable also for CONDENSATION BOILERS.
- Data communication with other boilers and other controllers via C-Ring connection..
- Essential sensors: 1 boiler sensor..
- Optional sensor: 1 anticondensing sensor, 1 flue gases sensor, 1 outside sensor.

Features

- Power supply: 230 V~: Consumption: 5 VA; Modular housing DIN 105 x 115; Protection: IP 40
- Digital programming by means of 4 keys and alphanumeric display.
- Control of boiler temperature at set point or according to the request of the various users via C-Ring (if the controllers are COSTER) or by a 0…10 V– signal.
- Control of a 1- or 2-stage or modulating burner.
- Option of sequence under control of XTC 638.
- Automatic change GMT/BST
- Periodic operation of summer site exercise of valves and pumpse.
- Metering of degree-days, of burner operating hours and of number of starts.
- Alarms for short or open circuits to sensors and for functional faults site and devices.
- C-Ring connection for local exchange of data with other COSTER controllers.
- Option of C-Bus connection for exchange data with local PC or remote Telemanagement PC..
- XCC 618 is provided with a 0…10 V output adaptable to any generator fitted with this input.
- XCC 618 is also provided with a 0…10 V input for control AS POWER or AS TEMPERATURE.

Code	Description	Data Sheet
XCC 618	Compensating optimiser for 1, 2-stage modulating burners with 0.10 V DC input.	–

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
SIH 010	Immersion temperature sensors	0 ... 99 °C	NTC 10 kΩ	N 140
SCH 010	Surface temperature sensor	0 ... 99 °C	NTC 10 KΩ	N 130
STF 001	Flue gases temperature sensor	0 ... 500 °C	Pt 1 kΩ	N 165