

COMPENSATING OPTIMISER FOR 1, 2-STAGE MODULATING BURNERS WIYH 0...10 V DC INPUT

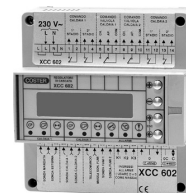
XCC 638

TELEMANAGEMENT C-Bus: Enabled by ACB 400 accessory

**WEB
GARE
AGE**

OPTIONAL
C←BUS

C←RING



APPLICATION

- Designed for the compensated control of winter heating in centralised sites, with power supply directly from the boiler (without mixing valve), whether condensation or not.
- The burner with 1, 2 stages or modulating can be controlled by switches or by means of the 0...10V input.
- By equipping all the boilers on site with XCC 638, with a single boiler provided with XTC 638, you can set up a sophisticated sequence among the various 1, 2-stage or MODULATING BURNERS and thereby achieve the maximum SEASONAL OUTPUT.
- The whole system has been especially designed also for CONDENSATION BOILERS.
- Data exchange with other boilers and other controllers by means of C-Ring.
- Essential sensors: 1 boiler sensor, 1 outside sensor.
- Optional sensors: 1 anticondensing sensor, 1 room or flue gases sensor, 1 storage tank sensor.

Features

- Power supply: 230 V~; Consumption: 5 VA; Modular enclosure DIN 105 x 115; Protection: IP 40.
- Digital programming by means of 4 operating keys and alphanumeric display.
- Control of boiler temperature at fixed point or variable in relation to outside temperature or to the demand
- of the various users (if the controllers are COSTER).
- Control of 1, 2-stage or modulating burner.
- Option of sequence under control of XTC 638.
- Compensated control of boiler temperature
 - all the optimum starts and stops of heating and of the site circulation pump
 - complete range of choices for room temperature,
 - 24hour and 7day clock (four 24hour programs, one 7day program)
- Control of temperature of DHW storage tank (one for each site)
 - own independent clock; 24hour, 7day (four 24hour programs, one 7day program).
 - priority and antibacterial functions
- Automatic switching GMT/BST.
- Periodic operation of summer plant exercise of valves and pumps.
- Metering of degree-days, of burner operating hours and or number of starts.
- Alarms for short and open sensor circuits and for abnormal operation of site and devices.
- C-Ring connection for local transmission of data to other COSTER controllers.
- Optional C-Bus connection for transmitting data to local PCs or remote Telemangement PC..

XCC 638 is already provided with 0...10 V output adaptable to any generator provided with this input.

Code	Description	Data Sheet
XCC 638	Compensating optimiser for 1, 2-stage modulating burners wiyh 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
SAB 010	Room temperature sensor	0 ... 40 °C	NTC 10 kΩ	N 111
STF 001	Flue gases temperature sensor	0 ... 500 °C	Pt 1 kΩ	N 165