COSTER

COMPENSATING OPTIMISER FOR BURNERS OF ANY TYPE INCLUDING SEQUENCING OF SEVERAL BOILERS

XTC 638

WEB GARAGE PREDISPOSTO C←BUS C←RING

TELEMANAGEMENT C-Bus: Enabled using ACB 460 accessory.

APPLICATION

- Designed for temperature control of a normal burner or a 3-point or 0…10 V modulating burner, with normal or condensation boilers.
- Using one controller for each boiler (max. 7) you can obtain a sequence of several boilers and of the shut-off valves where these exist.
- Control of the criteria of setting the boiler in sequence, in order to optimise the seasonal energy production: – wide adaptability to all types of burner and boiler..
- Data exchange with other boilers and other controllers by means of C-Ring.
- Essential sensors: 1 boiler sensor, 1 single external sensor for the boiler(s),
- 1 sensor for manifold if there are several boilers.
- Optional sensors: 1 heating flow sensor, 1 room or flue gases sensor, 1 DHW sensor

Features

- Power supply: 230 V-; Consumption: 5 VA; Modular housing DIN 105 x 115; Protection: IP 40.
- Digital programming by means of 4 operating keys and alphanumeric display.
- Control of site:
  – Single boiler + heating with pump or with or without mixing valve + DHW.
  – Boilers in sequence (max. 7) + heating with pump and with or without mixing valve + DHW.
  – Boilers in sequence (max. 7) + C-Ring connection with other COSTER controllers + DHW
  – Compensated: according to outside temperature with desired room temperature Normal, Setback.
  – Fixed Point with desired flow temperature.
  – Minimum and maximum limits boiler and flow temperatures.
- WARNING! The mixing valve and the storage tank control are not available on all the configurations of boiler sequence.
- Always refer to the Technical Data Sheet.
- Control of modulating 3-point burner (common – increase – decrease). 0…10 V or On-Off in 1 stage or On-Of in 2 stages.
- On-Off control of boiler shut-off valve.
- On-Off control of pump (boiler, manifold, heating site).
- Timed programming with four 24hour programs and one 7day program.
- Programming with dates with one Special period and heating season.
- Automatic change GMT/BST.
- Eco Off" function: heating off with outside temperature above desired value.
- Three On-Off inputs and two On-Off outputs for services and various automations (e.g.burner lockout).

Code	Description	Data Sheet
XTC 638	Compensating optimiser for burners of any type including sequencing of several boilers.	A 610

SENSORS AND ACCESSORIES

Code	Description	Application range	Sensing element	Data Sheet
ACB 460	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