

COSTER "TEM-PO" TEMPERATURE & FLOW

OBTAIN THE MAXIMUM SEASONAL OUTPUT FROM CONDENSATION BOILERS BY MEANS OF A COMPENSATED CONTROL WHICH MINIMISES THE RETURN TEMPERATURE

COSTER "TEM-PO" is a new family of optimising climatic controllers which, besides programming the temperature of the heat emitters (PANELS, RADIATORS, CONVECTORS & FAN COILS), also programs the flow in the compensated mode.

This dual control aims to maximise the thermal head between flow and return of the heating site:

- without compromising a comfortable temperature,
- causing the heat emitters to provide the correct thermal power,
- reducing as much as possible the return-to-site temperature..

OPTIMISING COMPENSATOR OF TEMPERATURE & FLOW OPTIONAL TELEMAGEMENT

XTP 600

TELEMAGEMENT C-Bus: Enabled using ACB 468 accessory.

APPLICATION

- Designed for the compensated control of one central heating site and for the On-Off control of a water heater for the production of DHW.
- Optimises the performance of condensation boilers.
- Data exchange with other controllers by means of C-Ring serial connection.
- Essential sensors: 1 external sensor, 1 heating flow sensor.

- Optional accessories: 1 room sensor, 1 water heater sensor, 1 flue gases sensor, 1 remote control,
- 1 return site sensor.

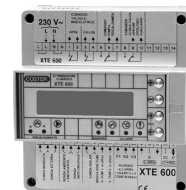
Features

- Power supply: 230 V~; Consumption: 5 VA; DIN 105 x 115 modular enclosure; Protection: IP 40.
- Digital programming by means of 4 operating keys and alphanumeric display.
- Setting dates of heating season and automatic switching GMT – BST.
- Seven 24hour programs, two 7day programs, 25 holiday periods and one Special period with dates.
- Compensated control of heating site:
 - Modulating control valve with 3-wire reversible actuator.
 - Modulating control of variable-speed pump (compensated control of the flow)
 - On-Off control of heating pump in relation to times and thermal demand..
 - Optimisation of start and stop times.
 - Minimum and maximum limits of flow temperature.
 - Manual adjustment of origin of heating curve (compensation for intermediate seasons)..
 - Automatic adjustment of heating curve in relation to room temperature (Ambient Authority).
 - "Eco Off" function: closure of site when outside temperature mild.
 - Summer Site Exercise of valve and pump.
 - Remote control for adjusting timed program in use (as alternative to input flue gases temperature and On-Off alarm).
- Control water heater for production DHW:
 - On-Off control water heater pump by timed programs independent of heating.
 - "Priority water heater" function (closure heating valve).
 - Antibacteria function: once a week 70°C for 90 minutes.
- Three On-Off alarm inputs.
- 1 configurable input: remote control or flue gases temperature Pt 1 k? and On-Off alarm.
- Alarms for operation site and for short- or open- sensor circuits.
- Metering degree-days..

PREDISPOSTO

C ← BUS

C ← RING



Code	Description	Data Sheet
XTP 600	Optimising compensator of temperature & flow optional telemagement.	B 243

SENSORS AND ACCESSORIES

Code	Description	Application range	Sensing element	Data Sheet
ACB 468	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
SAI 010	Room temperature sensor - irradiation	0 ... 40 °C	NTC 10 kΩ	N 111
STF 001	Flue gases temperature sensor	0 ... 500 °C	Pt 1 kΩ	N 165
CDB 300	Remote control to modify program in use	-	-	N 710

Per gli utilizzi con carico variabile, tipo cassette e/o valvole termostatiche, è consigliabile regolare la pompa di circolazione impianto con l'unità DRP 418, garantendo la prevalenza costante indipendentemente dal carico termico del riscaldamento