# 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 TELEMANAGEMENT XTP 600

## TELEMANAGEMENT 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..

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

#### SENSORS AND ACCESSORIES

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