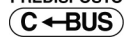


# CONTROLLER FOR DISTRICT HEATING SUB-STATIONS WITH A SINGLE HEAT EXCHANGER OPTIONAL TELEMAGEMENT

## XTT 618



PREDISPOSTO



**TELEMAGEMENT C-Bus: Enabled with ACB 400 accessory.**

### APPLICATION

Suitable for the control of district heating sub-stations comprising one heat exchanger with valve and secondary circuit pump.

Data communication with other controllers via C-Ring connection.

**Essential sensors: 1 secondary flow sensor.**

**Optional accessories: 1 outside sensor, 1 primary flow sensor, 1 primary return sensor, 1 secondary return sensor.**

### Features

- Power supply: 230V~; Consumption: 5VA; DIN 105 x 115 modular enclosure; Protection: IP 40.
- Digital programming by means of 4 keys and alphanumeric display.
- Control of secondary flow temperature:
  - At fixed point.
  - Compensated with correction of origin of heating curve.
  - Variable in relation to desired temp. of heating zones (C Ring).
- Modulating control (3-wire) of control valve of primary circuit heat exchanger.
- Forced valve closure for:
  - Minimum opening limit.
  - Minimum flow or heat limit in primary circuit (from heat meter).
- Limited valve opening for:
  - Maximum opening limit.
  - Maximum flow or heat limit in the primary circuit (from heat meter).
  - Maximum limit temperature return primary circuit.
  - Minimum and maximum limit of secondary flow temperature.
- On-Off control of secondary pump in relation to demand for heat.
- Input for metering flow or energy for limits or On-Off alarm.
- Input for measuring water loss or On-Off alarm.
- Input for TeleOn or On-Off alarm.
- Alarms for plant faults and for open or short sensor circuit.
- Data recorder.

Code	Description	Data Sheet
XTT 618	Controller for district heating sub-stations with a single heat exchanger optional telemagement .	B 283

### 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
STH 001	Immersion high temperature sensor	0 ... 300 °C	Pt 1 kΩ	N 140
SHF 001	Cable-type temperature sensor (primary flow & return)	0 ... 180 °C	Pt 1 kΩ	N 145