

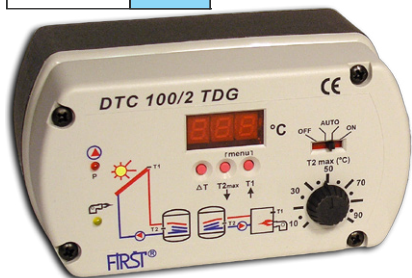
DTC 100/2TDG

FIRST DIFFERENTIAL THERMOSTATS

for heating DHWT (domestic hot water tank)

FIRST®

2-POINT CONTROL 1 / 0



FIRST DTC 100/2TDG is a single differential thermostat featuring temperature display, designed for domestic water heating from one heating source.

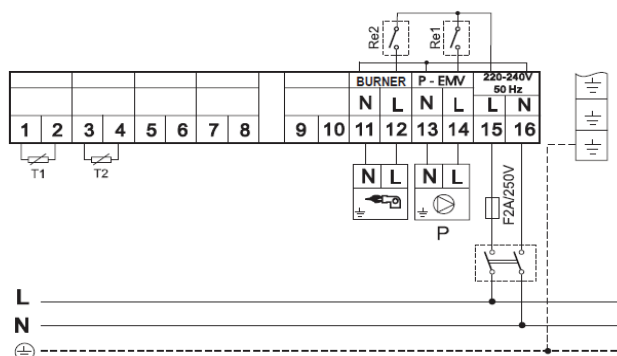
- Output for controlling motor actuated ball valve (type EMV 110 S9000) with circulation pump, burner (gas / oil) or electric heater.
- Regulating temperature from 10°C to 90°C
- Sensors fault status on digital display (interrupted, short circuited)
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service.

OPERATION

DTC 100/2TDG is a single differential thermostat featuring temperature display, designed for domestic water heating from one heating source (solar collectors, boilers, heat, pumps,...).

The thermostat controls pump or motor actuated ball valve (EMV 110 S9000) and burner or electric heating element.

CODE AND ELECTRICAL CONNECTION

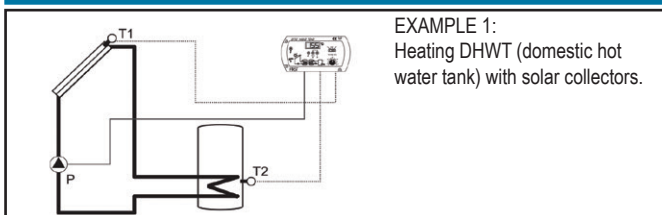


TECHNICAL DATA: DIFFERENTIAL THERMOSTAT

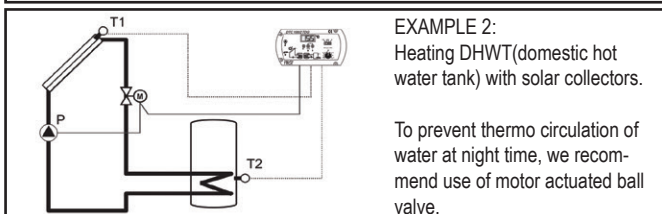
Control:	2-point (P)
Supply voltage:	230VAC, 50Hz
Power consumption:	4VA
Output relay rating:	1(1)A, 230VAC, 50Hz
Temperature measuring range:	-40°C..+160°C
Ambient temperature:	0..40°C
Storage temperature:	0..+70°C
Outputs:	2 x relay output 1(1)A, 230VAC, 50Hz, Working contact SPST
Inputs:	2 x analog sensor
Temperature setting range (DHWT):	10..90°C
Temperature difference setting:	2..15K
Sensors type:	KTY 81-210
Weight:	0,55 kg

Code	Type	Description
13023	DTC 100/2 TDG	2 sensors, mounting kit

INSTALLATION EXAMPLES

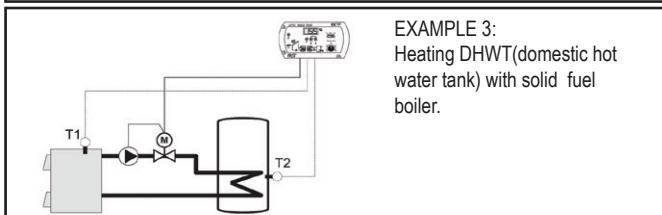


EXAMPLE 1:
Heating DHWT (domestic hot water tank) with solar collectors.

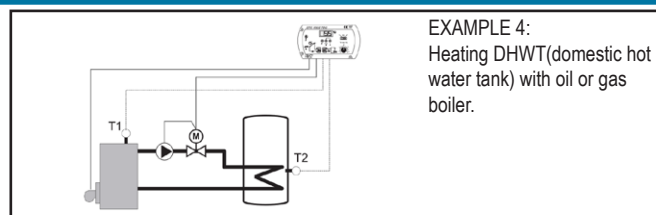


EXAMPLE 2:
Heating DHWT (domestic hot water tank) with solar collectors.

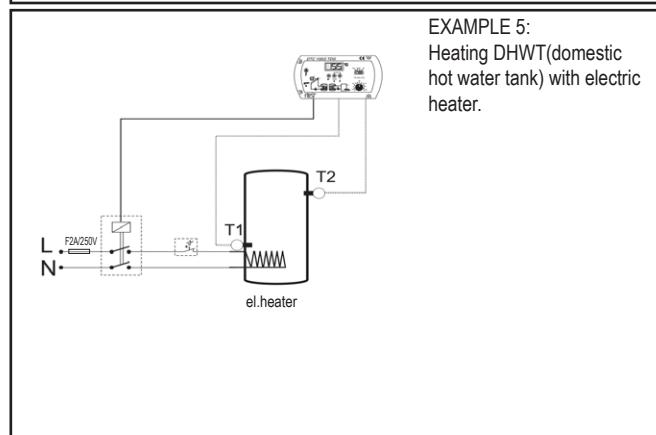
To prevent thermo circulation of water at night time, we recommend use of motor actuated ball valve.



EXAMPLE 3:
Heating DHWT (domestic hot water tank) with solid fuel boiler.



EXAMPLE 4:
Heating DHWT (domestic hot water tank) with oil or gas boiler.



EXAMPLE 5:
Heating DHWT (domestic hot water tank) with electric heater.

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