

V. DIFFERENTIAL THERMOSTAT

DTC 200/2G

2-POINT CONTROL 1 / 0



DTC 200/2G is a differential thermostat, designed for heating DHWT (domestic hot water tank) from one heating source (solar collectors, boilers, heat pumps) with possibility to control the burner or electric heater.

It can be also used for cooling living space with blowing the cool out-side air into the living space.

Features:

- Output for controlling motor actuated ball valve (type EMV110) with circulation pump, burner (gas / oil) or electric heater
- Knob for setting temperature (DHWT)
- Knob for setting temperature difference
- Setting working regime: with jumpers (heating or cooling)
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- LED status indicator (circulation pump, burner or electric heater)

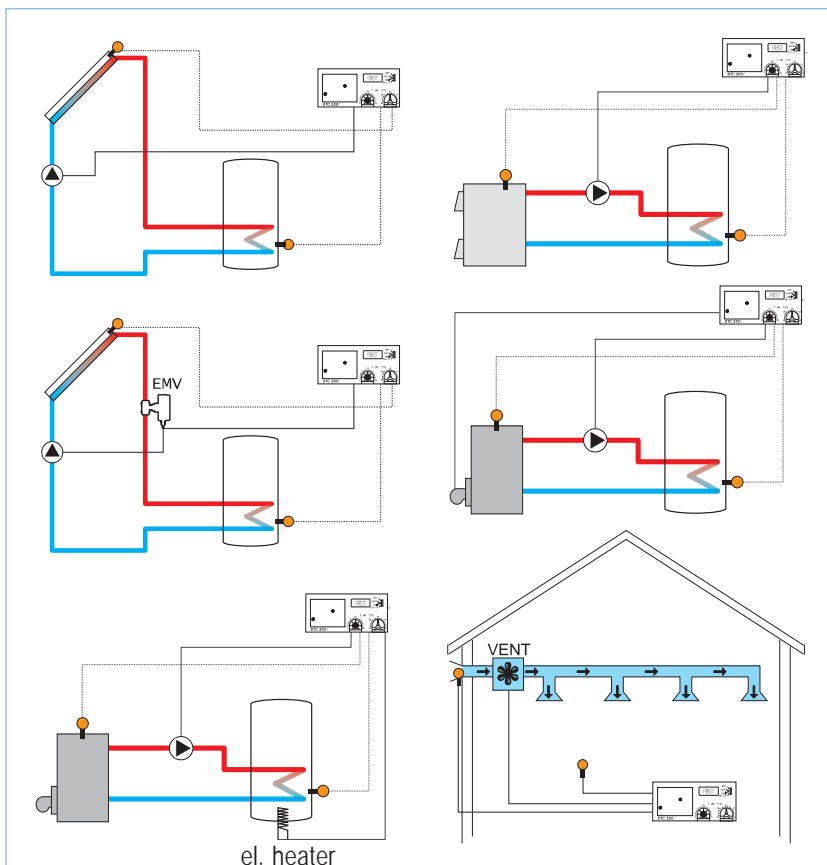
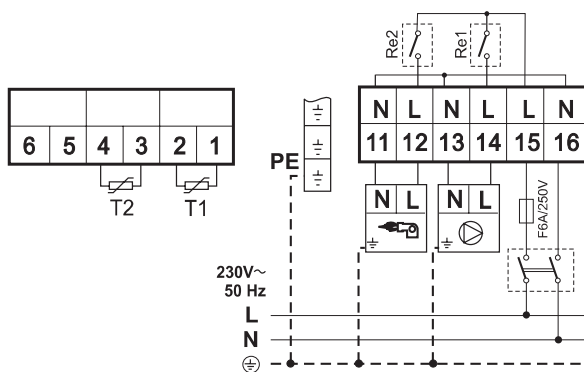
Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC,
- LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 2 x relay
 - Motor actuated ball valve with circulation pump
 - Burner or electric heater
- Input: 2x sensors
 - BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range range (DHWT): 5 - 85°C
- Temperature difference setting: 0 - 15K
- Hysteresis of thermostat: 1-2K
- Weight: 0,5 kg

Code Description

13017 DTC 200/2G (2 sensors, mounting kit)

Electrical connection



V. DIFFERENTIAL THERMOSTAT

DTC 200/4

2-POINT CONTROL 1 / 0



DTC 200/4 is a differential thermostat, designed for heating DHWT (domestic hot water tank) from one or two heating sources (solar collectors, boilers, heat pumps).

Features:

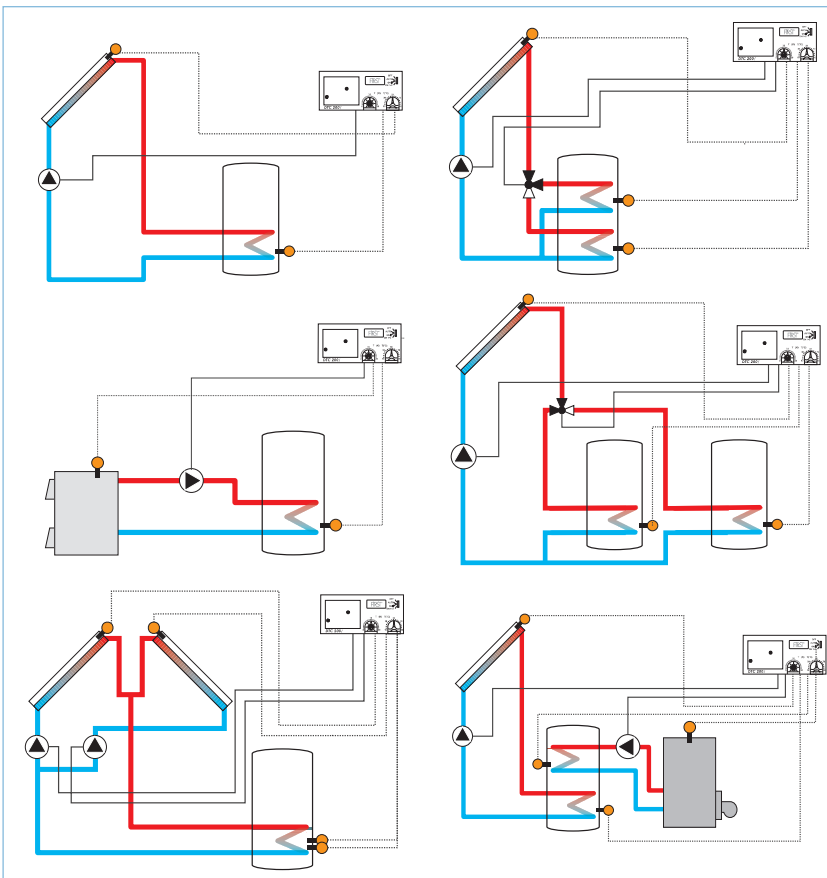
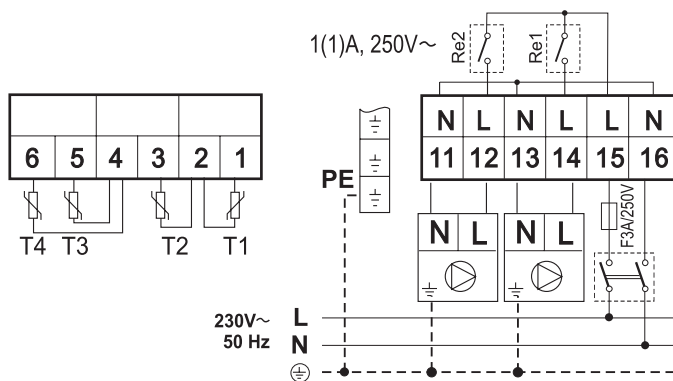
- Output for controlling motor actuated ball valve (type EMV110) with circulation pump for each heating circuit
- Knob for setting temperature (DHWT)
- Knob for setting temperature difference
- Setting working regime: with jumpers (various applications)
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- LED status indicator (circulation pump)

Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC,
- LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 2x relay
 - Motor actuated ball valve with circulation pump for two heating circuit
 - Burner, or. electric heater
- Input: 2x sensors
 - 2x BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - 2x KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range (DHWT): 10 - 90°C
- Temperature difference setting: 0 - 15K
- Hysteresis of thermostat: 1 - 2K
- Weight: 0,62 kg

Code	Description
13020	DTC 200/4 (4 sensors, mounting kit)

Electrical connection



V. DIFFERENTIAL THERMOSTAT

DTC 100/2

2-POINT CONTROL 1 / 0



DTC 100/2 is a differential thermostat, designed for heating DHWT (domestic hot water tank) from one heating sources (solar collectors, boilers, heat pumps).

Features:

- Output for controlling motor actuated ball valve (type EMV110) with circulation pump
- Knob for setting temperature (DHWT)
- Knob for setting temperature difference
- Setting working regime: with jumpers (various applications)
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- LED status indicator (circulation pump)

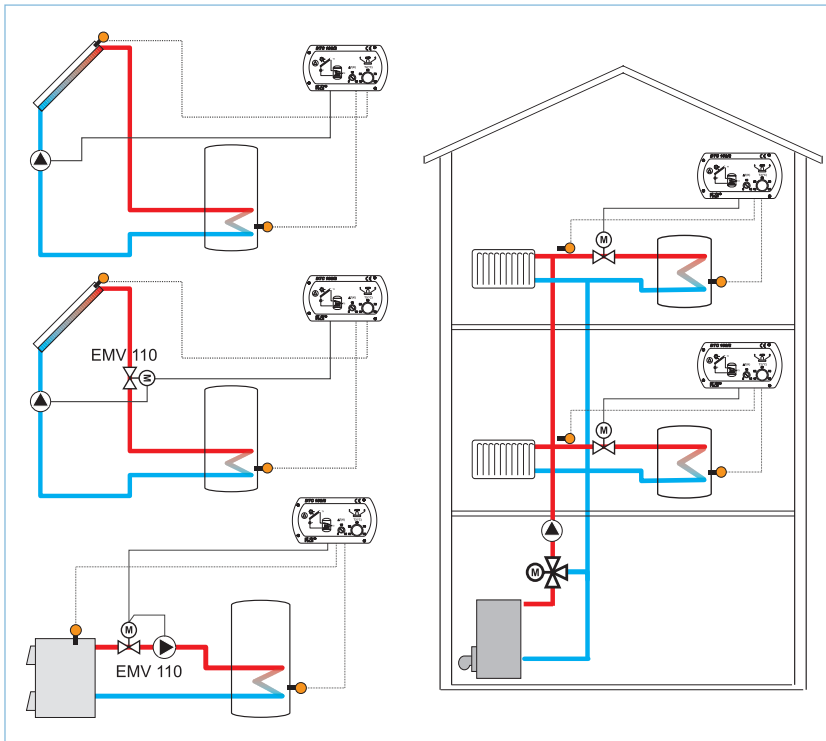
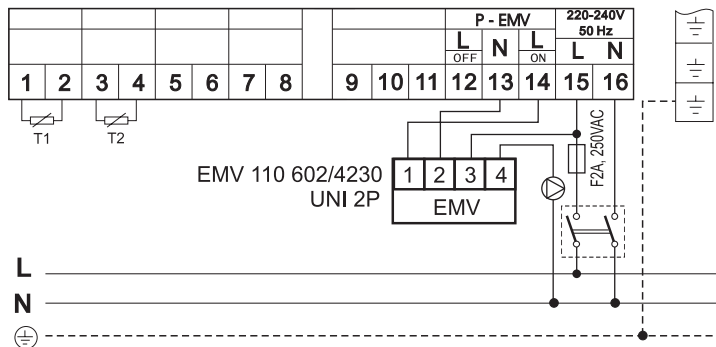
Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC,
- LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 1x relay
 - Motor actuated ball valve with circulation pump
- Input: 2x sensors
 - BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range (DHWT): 10 - 90°C
- Temperature difference setting: 5 - 15K
- Hysteresis of thermostat: 1 - 2K
- Weight: 0,5 kg

Code Description

13001 DTC 100/2 (2 sensors, mounting kit)

Electrical connection



V. DIFFERENTIAL THERMOSTAT

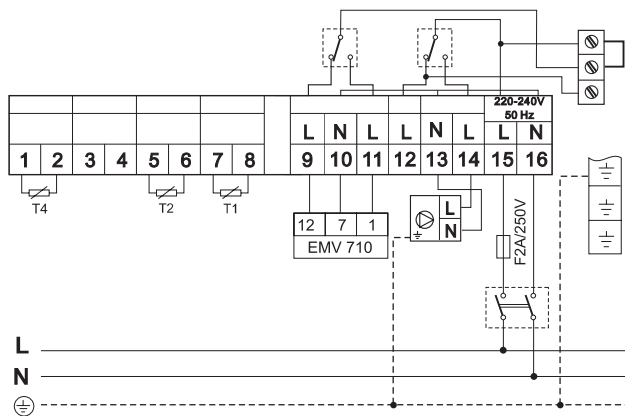
DTC 100/3

2-POINT CONTROL 1 / 0



Code	Description
13003	DTC 100/3 (3 sensors, mounting kit)

Electrical connection



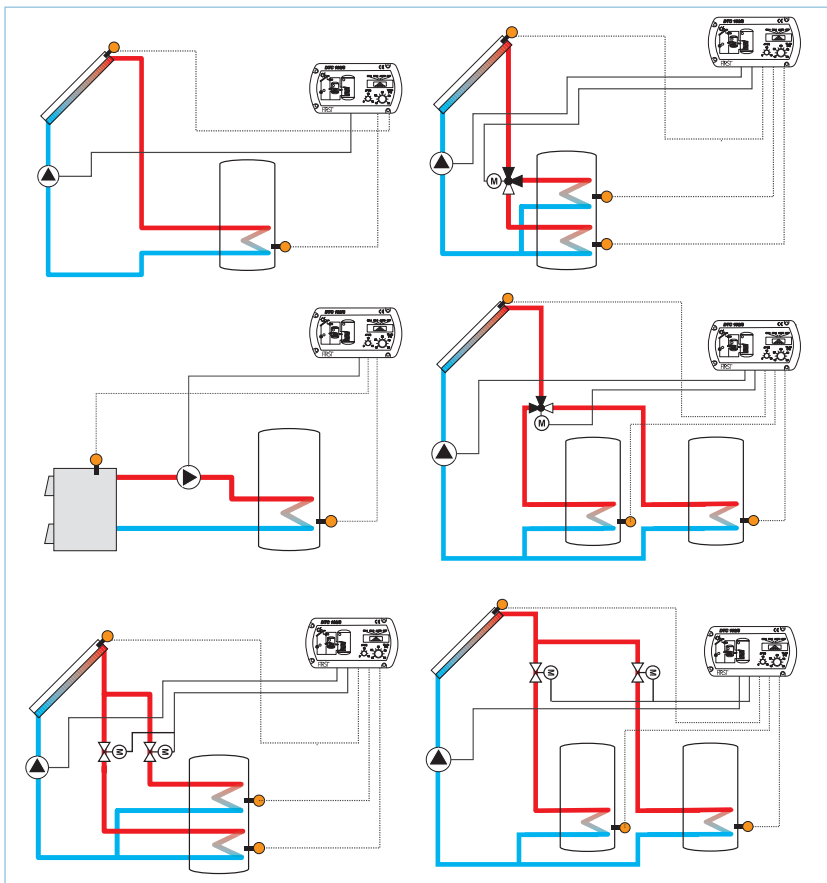
DTC 100/3 is a differential thermostat, designed for heating DHWT (domestic hot water tank) with two storage tanks from one heating source (solar collectors, boilers, heat pumps). It is used in the systems where during the day one storage tank cannot accumulate whole energy, which is disposal from solar collector.

Features:

- Output for controlling diverter valve (type EMV110, series 710/830/930) and motor actuated ball valve (type EMV110) with circulation pump
- Knob for setting temperature DHWT 1-2
- Knob for setting temperature difference
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- LED status indicator (circulation pump)

Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC,
- LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 2x relay
 - Motor actuated ball valve with circulation pump
 - 3-way diverter valve
- Input: 3x sensors
 - 2x BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - 1x KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range (DHWT 1-2): 10-90°C
- Temperature difference setting: 5 - 15K
- Hysteresis of thermostat: 1-2K
- Weight: 0,55 kg



V. DIFFERENTIAL THERMOSTAT

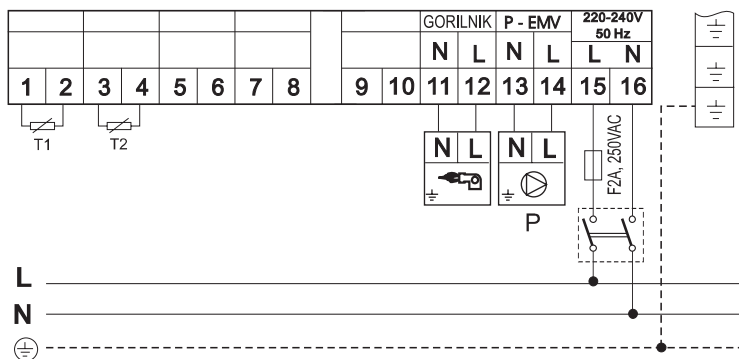
DTC 100/2 TDG

2-POINT CONTROL 1 / 0



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

Electrical connection



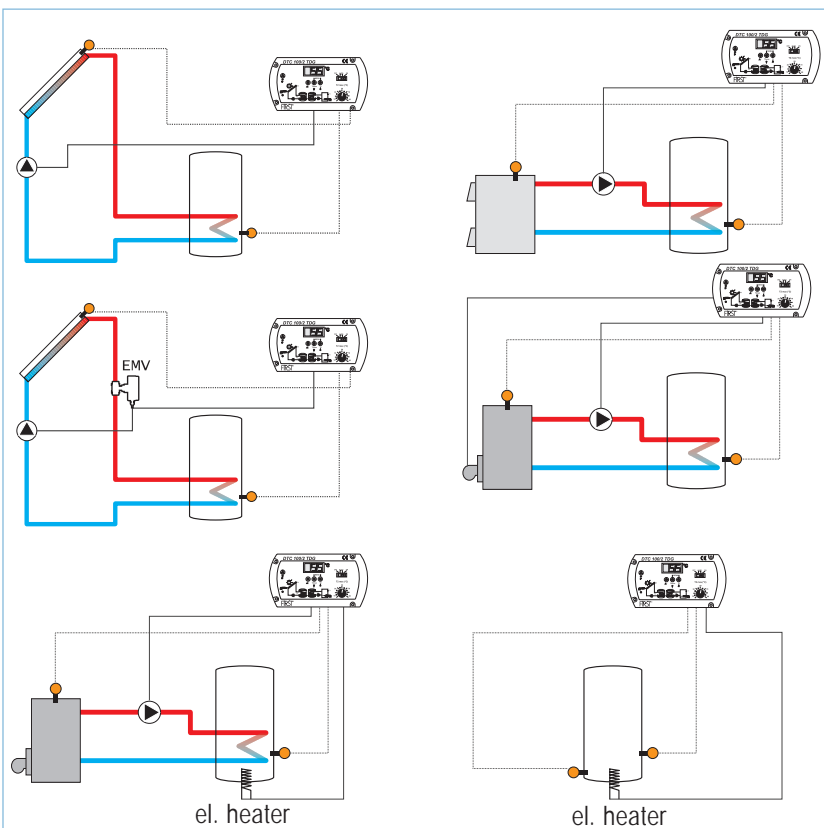
DTC 100/2 TDG is a differential digital thermostat, designed for heating DHWT (domestic hot water tank) from one heating source (solar collectors, boilers, heat pumps) with possibility to control the burner, or electric heater.

Features:

- Output for controlling motor actuated ball valve (type EMV110) with circulation pump, burner (gas / oil) or electric heater
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- Knob for setting temperature DHWT
- Built in circulation pump working hours counter
- Digital display of all sensors temperatures
- Sensors fault status on digital display (interrupted, short circuited)
- LED status indicator (circulation pump, burner or electric heater)

Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC,
- LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 2x relay
- Motor actuated ball valve with circulation pump
- Burner or. electric heater
- Input: 2x sensors
 - BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range (DHWT): 10 - 90°C
- Temperature difference setting: 2 - 15K
- Hysteresis of thermostat: 1-2K
- Weight: 0,55 kg



V. DIFFERENTIAL THERMOSTAT

DTC 100/4TD

2-POINT CONTROL 1 / 0



DTC 100/4 TD is a differential digital thermostat, designed for heating DHWT (domestic hot water tank) from two heating sources (solar collectors, boilers, heat pumps) and for controlling the burner or electric heater.

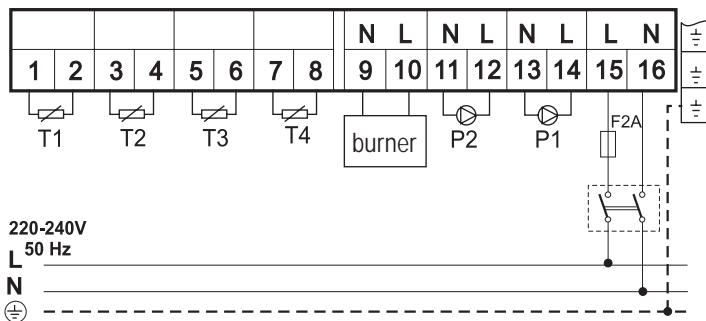
Features:

- Output for controlling motor actuated ball valve (type EMV110) with circulation pump for two heating circuits (primary, secondary) and for controlling the burner (gas / oil) or electric heater
- Selector switch for choosing the operation (manual, auto), and to assist installer on start-up and technician during service
- Digital setting of all parameters
- Digital display of all sensors temperatures
- Sensors fault status on digital display (interrupted, short circuited)
- LED status indicator (circulation pump, burner or electric heater)

Code	Description
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13007	DTC 100/4 TD (4 sensors, mounting kit)
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Electrical connection



Characteristics:

- Supply voltage: 230VAC, 50Hz
- Power consumption: 4VA
- Output relay rating: 1(1)A, 230VAC, 50Hz
- Enclosure rating (in accordance with IEC60529): IP40 / DIN40050
- In accordance with: EMC directive: 2004/108/EEC, LV Directive: 2006/95/EEC, PAH directive: 2005/69/EEC
- Ambient temperature: 0...40°C
- Humidity: RH 0%...70% (non condensed)
- Storage temperature: -10...+70°C
- Output: 3x relay
 - Motor actuated ball valve with circulation pump for two heating circuits
 - Burner, or. electric heater
- Input: 4x sensors
 - 3x BSVF1 / KTY 81-210 PVC (1.5m long, insulation: -30°C to 105°C)
 - 1x KF / KTY 81-210 SILICON (2m long, insulation: -30°C to 180°C)
- Temperature setting range(DHWT): 10 - 90°C
- Temperature difference setting: 0 - 15K
- Hysteresis of thermostat: 1 - 2K
- Weight: 0,65 kg

