



## TEMPERATURE CONTROLLER TYPE DTC



The DTC microprocessor-based digital electronic temperature controller is a versatile temperature controller with high accuracy, suitable for trace heating applications.

The instrument has Volt Free Alarm Relay Outputs which allow integration with BMS facilities.

The controller has the facility to set both high temperature and low temperature alarm points.

The process parameters and setpoints can be adjusted by using the keypad on the front of the instrument.

16Amp

IP66

110V/240V (Power loss Relay Version Voltage Specific).

## PRODUCT VARIATIONS

### Type DTC

110V/240V Digital Temperature Controller suitable for Frost Protection and Temperature Maintenance applications with a Maximum Operating Temperature 100degC. For Maintain Temperatures exceeding 100°C the use of a Type PTC/S Silicone Insulated Sensor is recommended.

### Type DTCR/240V

240V Digital Temperature Controller suitable for Frost Protection and Temperature Maintenance applications with a Maximum Operating Temperature 100degC. Fitted with a Volt Free Relay to allow for Normally Open or Normally Closed Relay output on the Power Supply.

### Type DTCR/110V

110V Digital Temperature Controller suitable for Frost Protection and Temperature Maintenance applications with a Maximum Operating Temperature 100degC. Fitted with a Volt Free Relay to allow for Normally Open or Normally Closed Relay output on the Power Supply.

### Type PTC/S

Silicone Insulated PTC Sensor

## STANDARD SETTINGS

The unit is pre-programmed with basic settings allowing quick set up and operation of the controller.

Following the basic setup instructions, the user can change and set the basic pre-set parameters to suit their application such as;

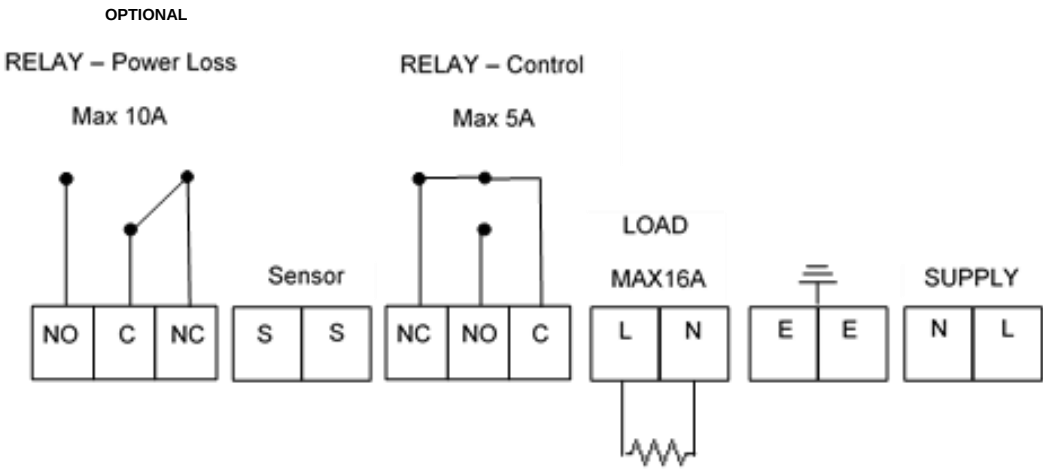
- Setpoint (SP)
- Minimum Setpoint Level (SPLL)
- Maximum Setpoint Level (SPHL)
- Low Temperature Alarm Relay Output (LAL)
- High Temperature Alarm Output (HAL)

For further individual settings the user can gain to the main controller set up by following the advanced setup instructions access to controller can instrument. The user should familiarise themselves with the advanced set up parameters and how they may affect their application.

The information provided in this technical literature is believed to be accurate and reliable; however, the user must satisfy themselves that the product is suitable for their application and the use of this information, and all use of such information shall be entirely at the user's own risk. Specifications shown in this technical literature are subject to change without notice

TECHNICAL DATA

|                    |                |  |                     |      |
|--------------------|----------------|--|---------------------|------|
| Enclosure          | PC             |  | Sensor Type         | PTC  |
| Ingress Protection | IP 66          |  | Sensor Length (mm)  | 1500 |
| Dimensions (mm)    | 125 x 125 x 75 |  | Sensor Dia (mm)     | 6    |
| Weight (g)         | 700            |  | Max Conductor (mm²) | 2.5  |
| Range (°C)         | -50 - +150     |  | Rating              | 16A  |



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