

- Low price
- 48x48 mm DIN sized front panel
- Thermocouple or Pt100 RTD input
- Independent set point observation
- Sensor break indication
- Panel, DIN rail mounting and socket

**DESCRIPTION**

The BTC48 temperature controller has no temperature value indication and thus is applicable in cases, in which the low price is one of the major requirements, especially in food industry and household applications. With its 48x48 mm DIN-sized front panel, BTC48 is best suited for applications, in which small size is important too. The device works with either an RTD temperature sensor or a thermocouple type "J" or "K" and can be used for controlling various temperature processes and driving electrical actuators by the means of a relay control output and through ON/OFF algorithm. A potentiometer and a dial on the front panel enable easy set-point adjustment, and a red LED – a clear sensor break indication. The controller can be mounted on a panel, on a rail, and in a socket. Inexpensive, compact, and easy-to-use, the BTC48 temperature controller is one versatile general-purpose control device.

**SPECIFICATIONS GENERAL**

**Construction** : Panel mount to DIN 48 x 48mm or DIN-rail  
**Wiring** : Screw terminals  
**Housing material** : Plastic

**INPUT**

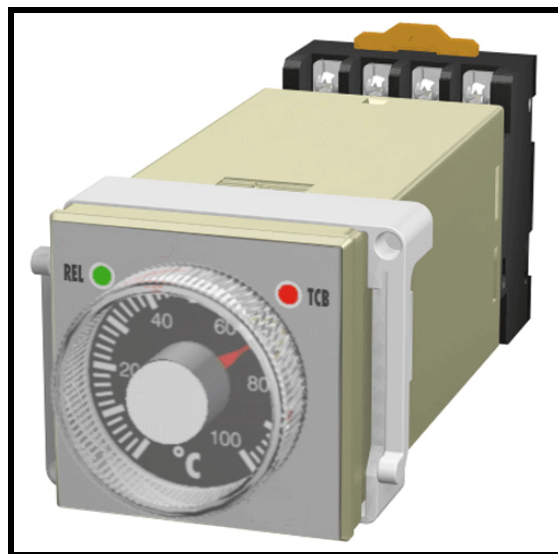
**Pt-100** : 0-100, 200, 400°C  
**Thermocouple J** : 0-100, 200, 400, 800°C  
**Thermocouple K** : 0-400, 800, 1000, 1200°C

**INDICATION**

**Indication** : LEDs for relay state and sensor break

**OUTPUT**

**Relay** : 5A/250VAC NO/NC or NO contact  
**Solid state** : SSR 1A/250VAC  
**MOS gate** : Open collector 100mA/60V  
**Extern SSR** : 5-24V/30mA  
**Control algorithm** : ON/OFF

**PERFORMANCE**

**Accuracy error** : ±0.25%

**INSTALLATION**

**Supply** : 230, 115 or 24VAC  
**Consumption** : Max 3VA  
**Ambient temp** : -10 to 65°C  
**Humidity** : 0-85%  
**Dimension** : W48 x H48 x D95mm  
**Weight** : 250g  
**Protection class** : IP40

**ORDER INFORMATION****BTC48**

SUPPLY	OUTPUT	INPUT
A 230VAC	C Relay	BD Pt-100
A 115VAC	D SSR	CJ TC J
B 24VAC	J Ext.SSR	CK TC K