

# TC52

## Analog temperature controller Type TC52



Compact dimensions (48mm x 48mm)

- Proportional steering and On./Off.
- Input on sensors type: J, K or PT100 (set up of a factory)
- Built-in weld joint for thermocouples
- Transparent knob for easy settings
- Available mounting adapters into holes 96mm x 96 mm or 72 mm x 72 mm.

## Technical specification

### INPUT

- J, K or PT100 set up of a factory
- Direct input from sensors
- Built-in compensation cold ends for thermocouples

### ACCURACY:

- Setting: +/- 3% full scale
- Repetition: +/- 3% full scale
- RANGE: 0...200 OR 0...400 st C

### OUTPUT:

- Relay: 1 C/O (SPDT) 5A 230V
- AC/24 V

### STEERING:

- Temporarily proportional
- ON/OFF – turn on/turn off

### TEMPERATURE SETTINGS

- Transparent knob on front panel

### DIODE INDICATORS

- Relay condition
- Power supply

### POWER SUPPLY:

- Tolerance +/- 15%
- 230V AC 50Hz
- 110V AC 60 Hz

### HOUSING:

- ABS Plastic

### TEMPERATURE:

- Operation 0 do 50 st C
- Storage -5 do 50 st C

### HUMIDITY:

- 95% RH

### WEIGHT:

- 180 grams

### DIMENSION:

- 48x48x100

## Ordering Information

|      |          |          |          |  |  |  |  |  |  |  |  |
|------|----------|----------|----------|--|--|--|--|--|--|--|--|
| TC52 | <b>A</b> | <b>B</b> | <b>C</b> |  |  |  |  |  |  |  |  |
|------|----------|----------|----------|--|--|--|--|--|--|--|--|

### A Temperature range

|         |           |
|---------|-----------|
| 0...200 | 0 ÷ 200°C |
| 0...400 | 0 ÷ 400°C |

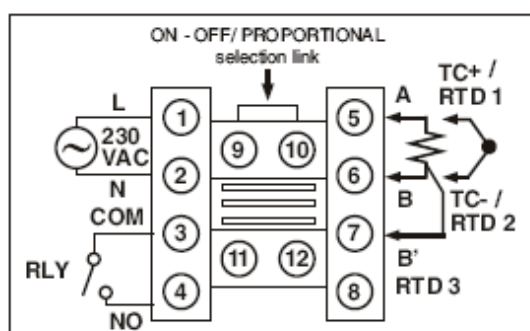
### C Power supply

|     |         |
|-----|---------|
| 230 | 230 VAC |
| 110 | 110 VAC |

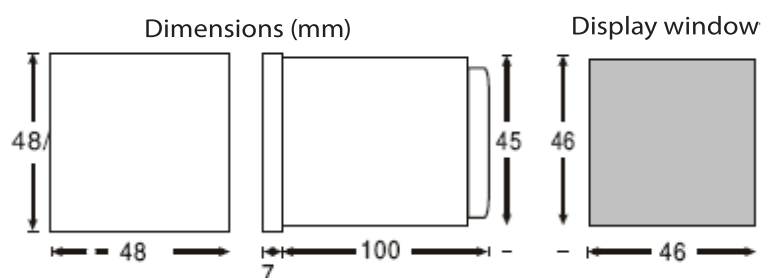
### B Sensor type

|       |                              |
|-------|------------------------------|
| Pt100 | Resistance thermometer Pt100 |
| J     | Thermocouple type J          |
| K     | Thermocouple type K          |

## Connection rail and electrical connections description



## Assembly Data



## Ordering Example

### TC52-0... 400-J-230

stands for: Regulator TC 52 set up on temperature range from 0 oC to 400 oC for thermocouple type J, supplied by voltage 230 V