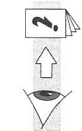


3 INSTALLATION (continued)

10 Configure Controller

Use IQSET to configure the Sensor Type and External Sensor strategy modules as require actual sensor (Thermistor) and Knob separately as required.



- IQSET Manual (TE200147)
- IQ4 Configuration Manual (TE201263)
- IQ3 Configuration Manual (TE200768)
- IQ Configuration Manual (90-1533)
- IQeco Configuration Manual (TE201089)

Setting the Sensor Type

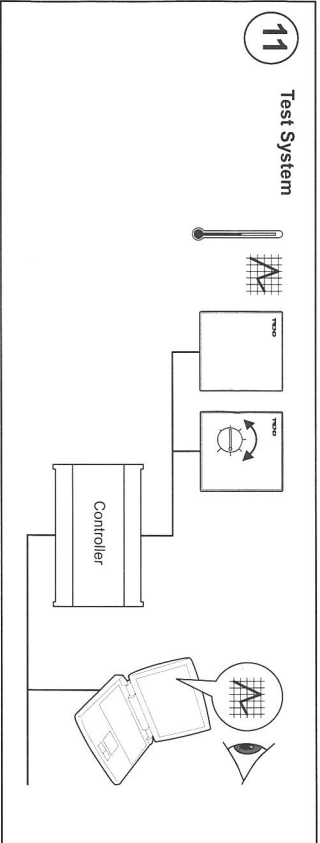
For the following controller types:

- IQ4 Series
- IQ3 Series
- IQ2 Series
- IQeco

Configure the Sensor Type by selecting one of the following Unique Sensor References:

Knob	Thermistor	(Value in °C)
Knob TB 3 deg trim	Thermistor TB/TS	(Value in °C)
Knob T 3 deg trim	Thermistor TB/TS F	(Value in °F)
Knob (Knob TB.05 deg trim)	(10k Therm DegC TB/TS)	(Value in °C)
Type 102 - Potentiometer	(10k Therm DegC TB/TS)	(Value in °C)
	Type 108 - Thermistor -F	(Value in °F)

11 Test System



4 DISPOSAL

WEEE Directive:

At the end of their useful life the packaging and product should be disposed of by a suitable recycling centre. Do not dispose of with normal household waste. Do not burn.

Please send any comments about this or any other Trend technical publication to [techpubs@trendcontrols.com](mailto:techpubs@trendcontrols.com)



FRI Certification

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Installation Instructions  
TB/TS, TB/TS/K  
Thermistor Room Temperature Sensors

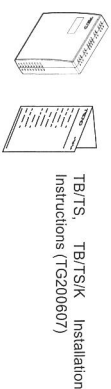
Important: Retain these instructions

These instructions shall be used by trained service personnel only. If the equipment is used in a manner not specified by these instructions, the protection provided by the equipment may be impaired.

<https://partners.trendcontrols.com>

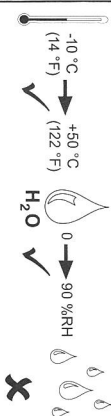


1 BOX CONTENTS



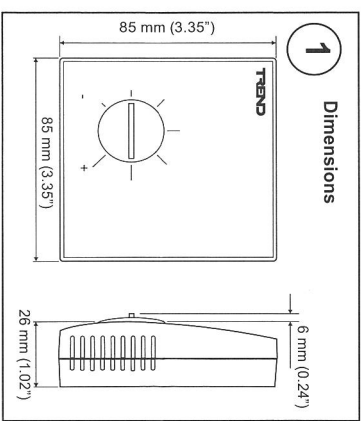
TB/TS, TB/TS/K Installation Instructions (TG200607)

2 STORING



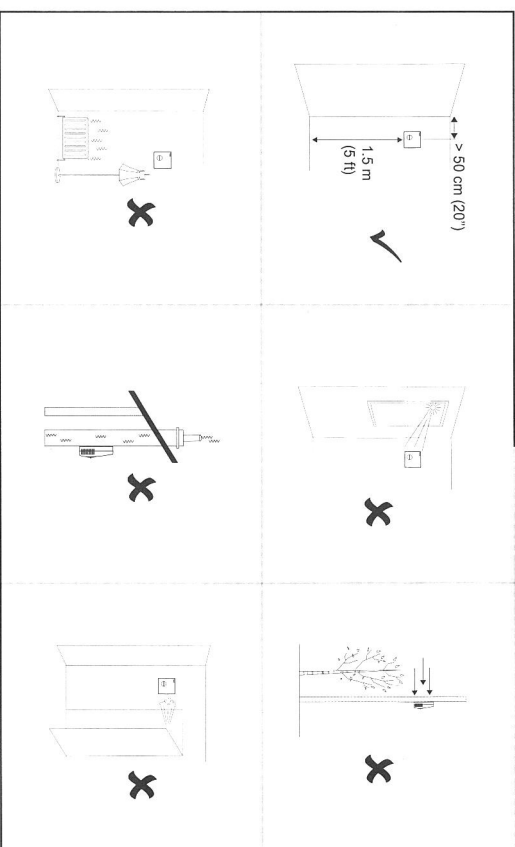
3 INSTALLATION

1 Dimensions



2 Mounting Requirements

It is recommended that the installation should comply with the local electrical safety installation practices (e.g. HSE Memorandum of Guidance on Electricity at Work Regulations 1989; USA National Electric Code).



3 INSTALLATION (continued)

**2 Requirements (continued)**

Temperature range: -10 °C (14 °F) to +50 °C (122 °F). 0 °C (32 °F) to +40 °C (104 °F) measurement. Humidity: 0%RH to 90%RH. H<sub>2</sub>O protection: ✓

**3 Remove backplate**

**4 Mount backplate**

BESA box

35 mm (1.38")

35 mm (1.38")

35 mm (1.38")

wall box

60 mm (2.36")

ABS

FR

or wall

35 mm (1.38")

35 mm (1.38")

**5 Remove Cutout(s) (as required)**

**6 Route cables**

3 INSTALLATION (continued)

**7 Wire to Controller**

Terminal size 0.5 to 2.5 mm<sup>2</sup> (20 to 14 AWG)

Iqecocs with fixed strategies and IQLs must be connected as described in the relevant strategy data sheet or installation instructions.

**TB/TS**

**TB/TS/K**

Option	Connect Terminals
TB/TS	1*, 2*
TB/TS/K	1, 2, 3

\* Note: The terminals are not numbered on TB/TS; they are polarity independent. The equivalent numbering of TB/TS/K is shown.

Note: Screened cable is not required for sensor wiring to IQLs. If screened cable is used, the screen must be terminated at the controller to its supply cable earth.

**8 Assemble unit**

click

**9 Set up strategies**

For Iqecocs with fixed strategies and IQLs ignore steps (9) and (10) and proceed to step (11).

TB/TS Data Sheet (TA200603)

or

For TB/TS, /K options, configure the controller strategy using the pre-configured strategy in SET's Strategy Library (TB/TS, KOSF), and only use the options required. If this is not used write your own strategy, see data sheet for suggested strategy.