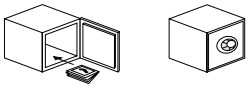
Installation Instructions

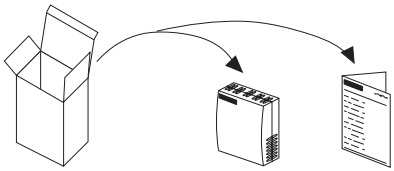
TB/TS

Thermistor Room Termperature Sensors

Important: Retain these instructions



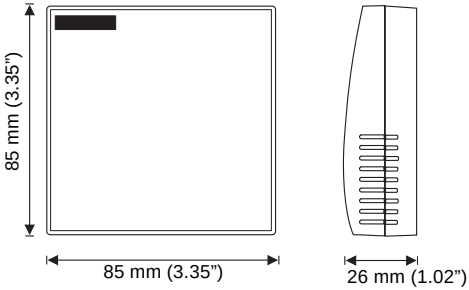
UNPACKING



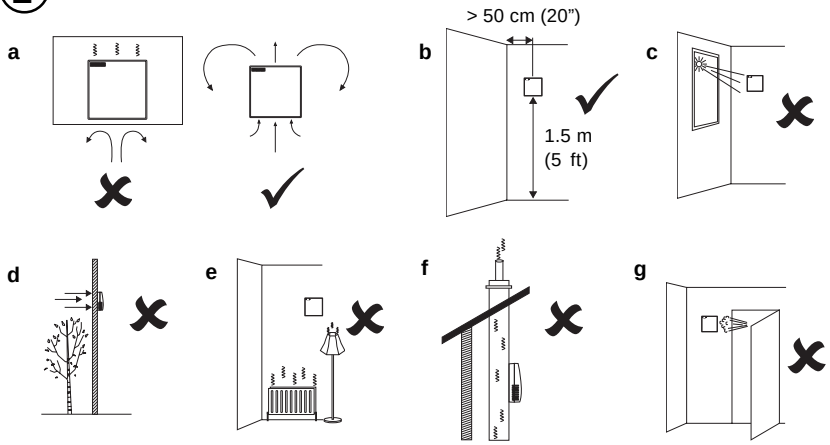
TB/TS Installation Instructions TG200604

INSTALLATION

1 Dimensions

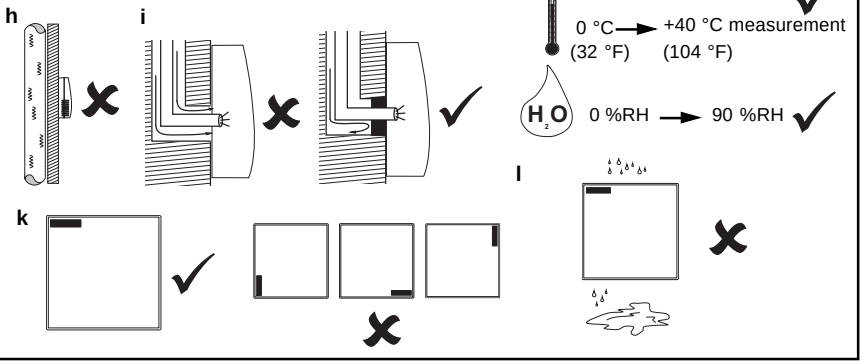


2 Requirements

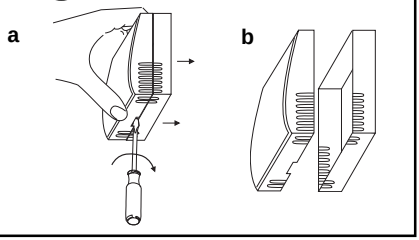


INSTALLATION (continued)

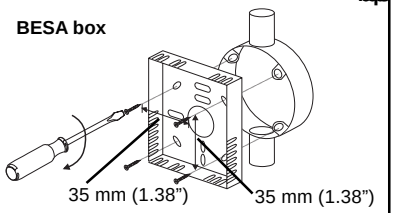
2 Requirements (continued)

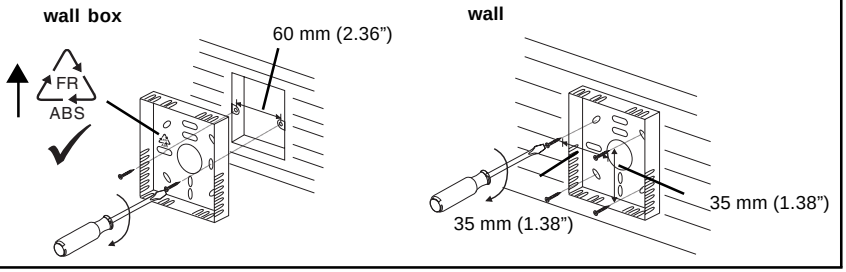


3 Remove backplate

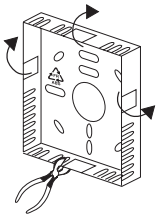


4

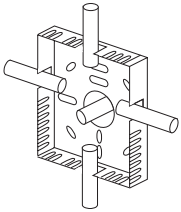




5 Remove cutout(s) as required



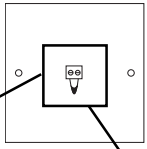
6 Route cables



INSTALLATION (continued)

7 Wire to controller

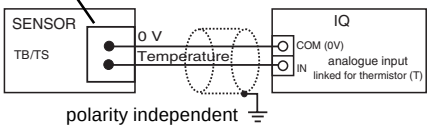
Terminal size 0.5 to 2.5 mm² (14 to 20 AWG)



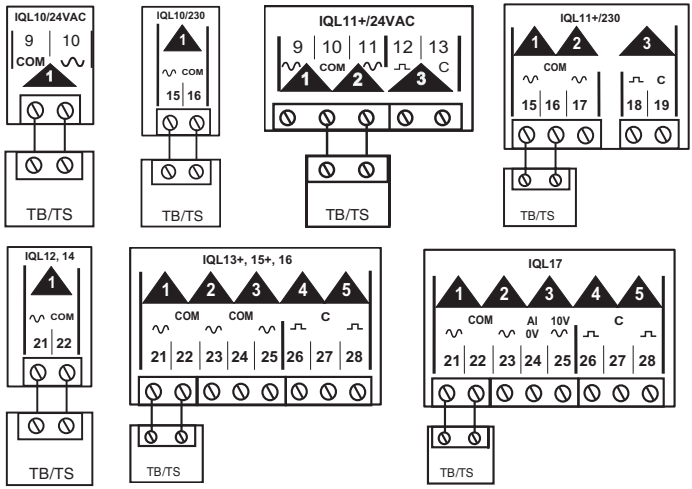
if IQL

Note that 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.

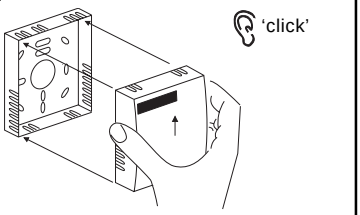
if IQ



IQL	OPTIONS
IQL10, 11+, 12, 13+, 14, 15+, 16, 17	TB/TS



8 Assemble unit



INSTALLATION (continued)

9 Set up IQ Sensor types

It is recommended to use SET (software tool) for the setting of sensor type modules. For all IQ2 series controllers with firmware version 2.1 or greater, or IQ3 series controllers, select the appropriate SET Unique Sensor Reference from the following:

Thermistor: **Thermistor TBTS** (°C)
Thermistor TBTS F (°F)

If not using SET, use the following tables for all IQ2 series controllers of firmware version 2.1 or greater or IQ3 controllers; for all other IQ controllers see Sensor Scaling Reference Card TB100521A.

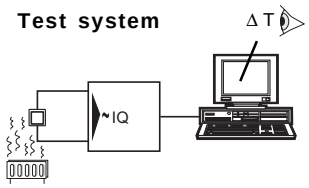
```
tYpe Sensor digI/P Driver Function loGic Loop scHedule seQnc Analog
digBit Knob sWitch Time Zone Oss User addRess intcoN calarM reView Plot
calEndar
        = ?
```

Thermistor (0 to +40 °C)

Yn<CR>
TYPE n
:
=?
S=5 (characterise)
Y=, E=, U=, L=, P=,
I1 to I6=, O1 to O6=
X <CR>

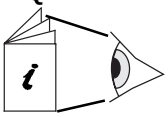
Units		°C	°F
Y	Input type	1 (thermistor volts)	
E	Exponent	3	
U	Upper	50	122
L	Lower	-5	23
P	Points	6	
x	**Ix**	**Ox (°C)**	**Ox (°F)**
1	2.641	50	122
2	3.47	40	104
3	4.46	30	86
4	6.663	10	50
5	7.668	0	32
6	8.102	-5	23

10 Test system



If IQ

If IQL



IQL Strategy Installation Instructions

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.

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Ecublens, Route du Bois 37, Switzerland by its Authorized Representative.

Trend Control Systems Limited
P.O. Box 34, Horsham, West Sussex, RH12 2YF, UK. Tel:+44 (0)1403 21888 Fax:+44 (0)1403 241608 www.trend-controls.com
Trend Control Systems USA
6670 185th Avenue NE, Redmond, Washington 98052, USA. Tel: (425)897-3900, Fax: (425)869-8445 www.trend-controls.com