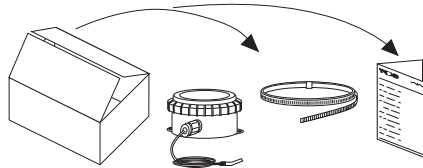


PRT Contact Temperature Sensor

Important: Retain these instructions

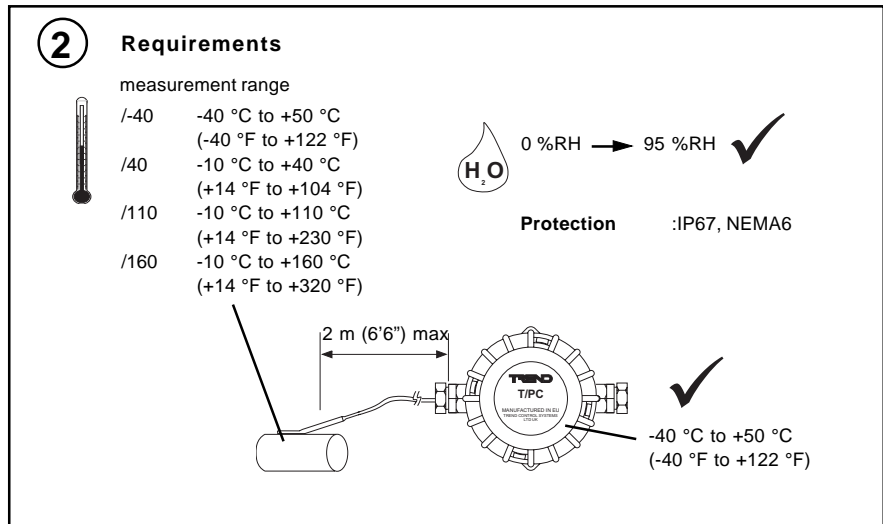
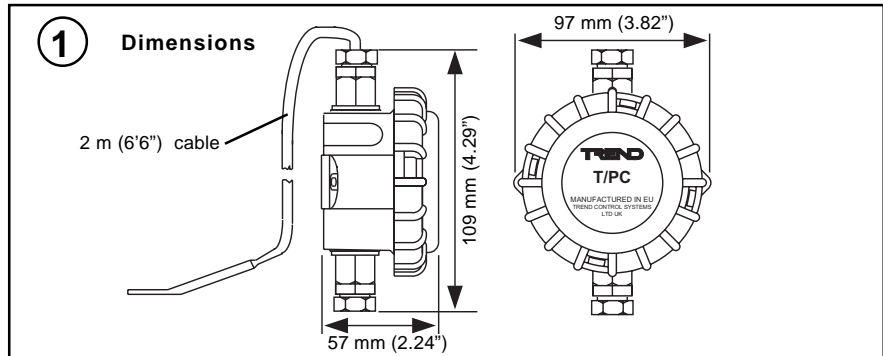


UNPACKING



T/PC Installation
Instructions TG100508

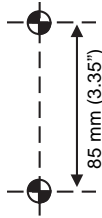
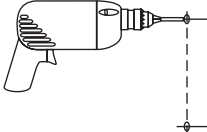
Installation



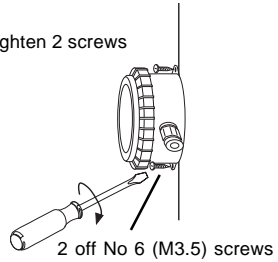
Installation (continued)

3 Fix to Wall

a Drill 2 pilot holes



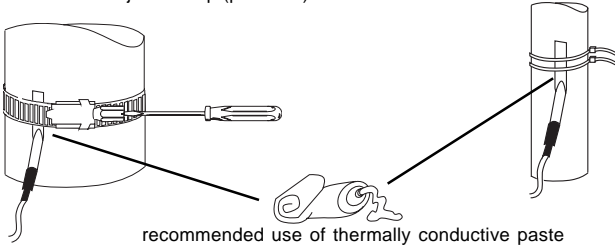
b Tighten 2 screws



4 Fix Probe

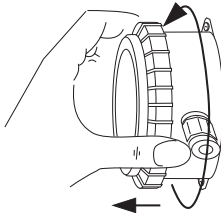
or use cable tie(s) (not provided)

either use jubilee clip (provided)

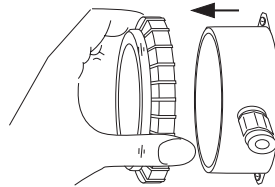


5 Remove Lid

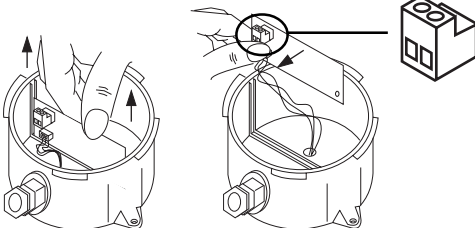
a



b



6 Remove Connector



Caution: This unit contains static sensitive devices. Suitable anti-static precautions should be taken throughout the operation to prevent damage to the units. BS EN100015/ 1 Basic Specification: protection of electrostatic sensitive devices.

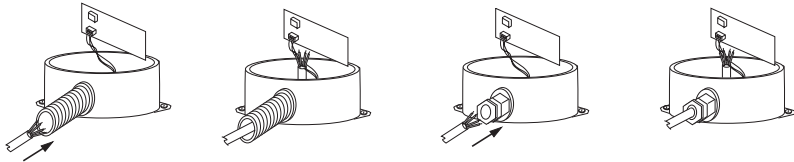
Installation (continued)

7

Insert Cable

either use M20 flexible conduit

or use M16 cable gland

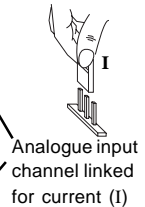
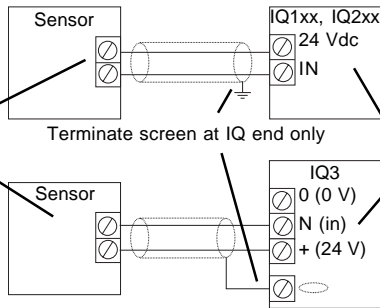


8

Wire to Controller

IQ system TP//22/HF/200 (Belden 8761) cable recommended.
Terminal size 0.5 to 2.5 mm² (14 to 20 AWG)

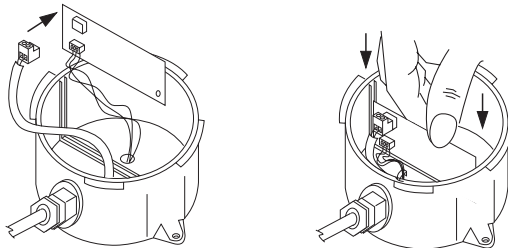
polarity independent



Note that if connecting to an IQ22x controller (including /ADL or /OC), do not connect directly to C (+24V), instead connect to AUX+ (+24V).

9

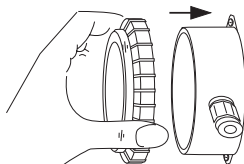
Replace Connector



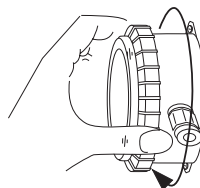
10

Replace Lid

a



b



Note that IP67 (NEMA6) rating is only achieved if the sensor is correctly installed with cable or conduit connection fully tightened.

Installation (continued)

11 Configure IQ

or

IQ Configuration Manual
90-1533

12 Set up IQ Sensor Type

It is recommended to use SET (Software Tool) for the setting of the sensor type module. For all IQ2 series controllers with firmware version 2.1 or greater, or IQ3 series controllers, the following SET Unique Sensor References should be used:

(T/PC/-40)	PRTI-40+50 (°C)	PRTI-40+122 F (°F)
(T/PC/40)	PRTI-10+40 (°C)	PRTI-14+104 F (°F)
(T/PC/110)	PRTI-10+110 (°C)	PRTI-14+230 F (°F)
(T/PC/160)	PRTI-10+160 (°C)	PRTI-14+320 F (°F)

Alternatively enter scaling manually as defined in table below.
For all other IQ controllers see Sensor Scaling Reference Card TB100521A

Unit	/-40		/40		/110		/160		
Y input type	2 (current)		2 (current)		2 (current)		2 (current)		
E Exponent	3		3		3		3		
	Units	°C	°F	°C	°F	°C	°F	°C	°F
U Upper	50	122	40	104	110	230	160	320	
L Lower	-40	-40	-10	14	-10	14	-10	14	
P Points	2	2	2	2	2	2	2	2	
x lx	Ox	Ox	Ox	Ox	Ox	Ox	Ox	Ox	Ox
1 4	-40	-40	-10	14	-10	14	-10	14	
2 20	50	122	40	104	110	230	160	320	

Yn<CR>
TYPE n
:=?
S=5(characterise)
Y=, E=, U=, L=, P=, I₁=, I₂=, O₁=, O₂=
X <CR>

13 Test system

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.

Trend Control Systems Limited reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions or changes.

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