

T-P

PRT Insertion Temperature Sensor

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.

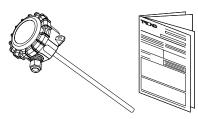


https://partners.trendcontrols.com

CONTENTS

1	Box Contents1	3	Cleaning and Maintenance7
2	Installation1	4	Disposal7

1 BOX CONTENTS

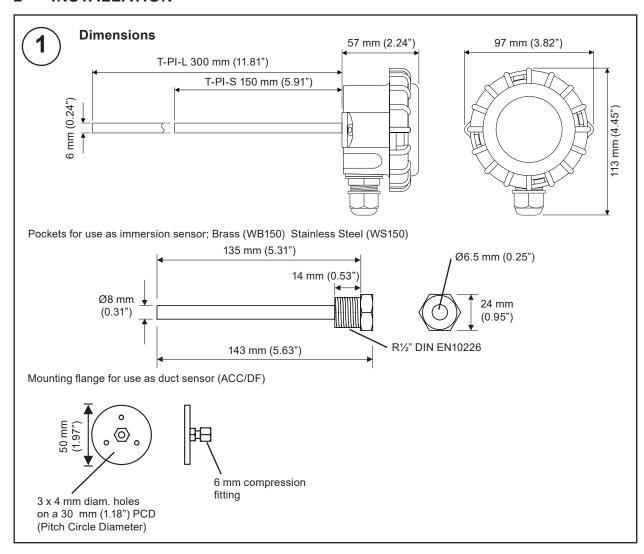


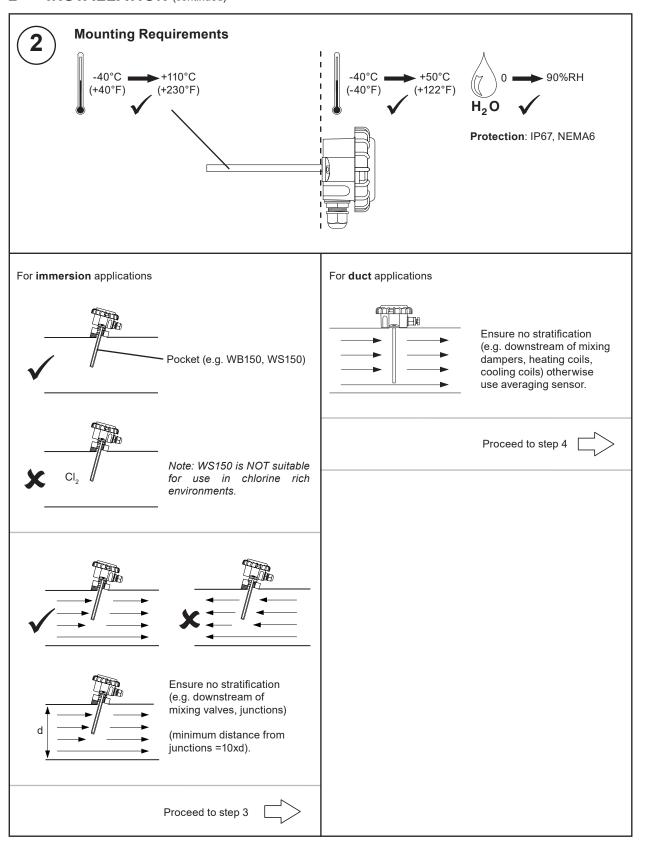
T-PI Installation Instructions (TG201420) It is recommended that the installation should comply with the local electrical safety installation practices (e.g. HSE Memorandum of Guidance on Electricity at Work Regulations 1989, USA National Electric Code).

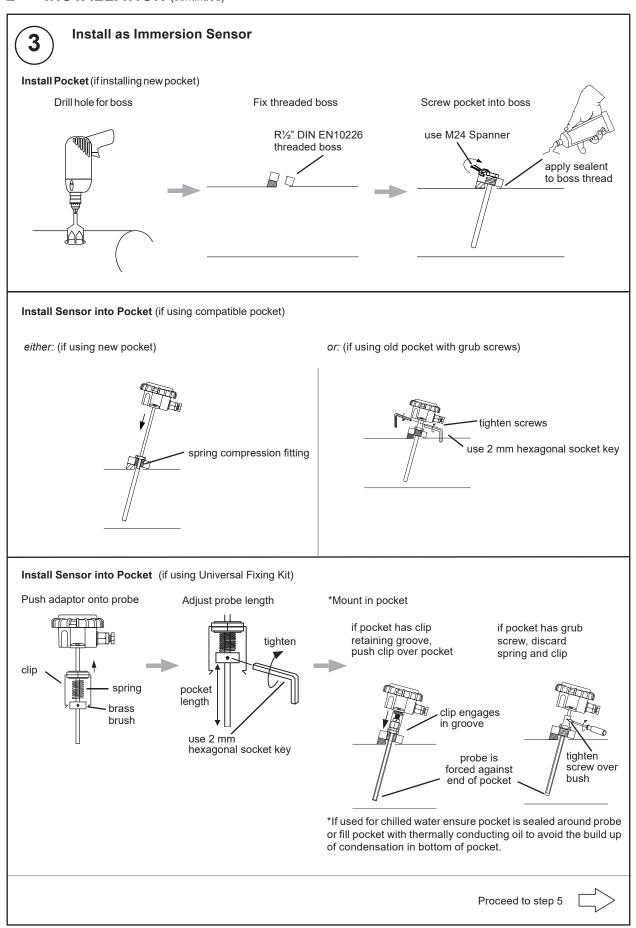


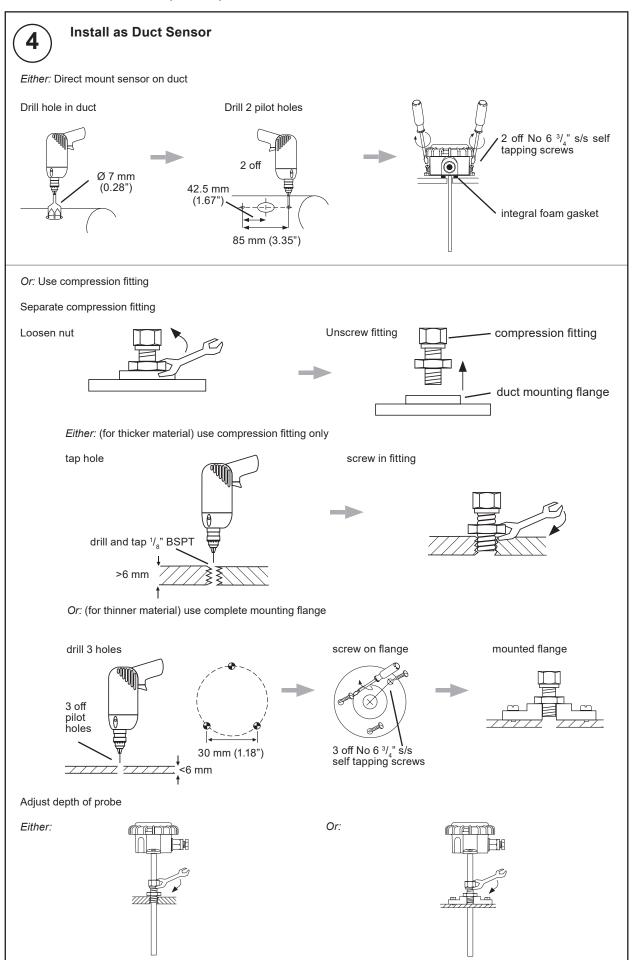
ATTENTION: Observe precautions for handling electrostatic sensitive devices.

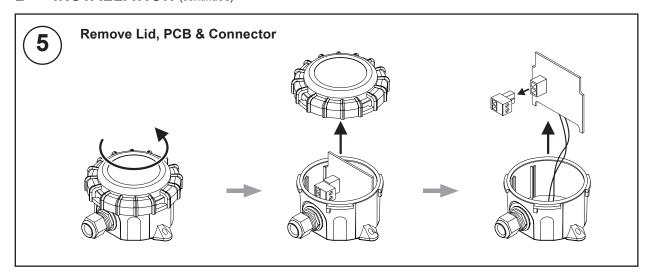
2 INSTALLATION

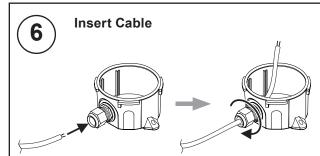






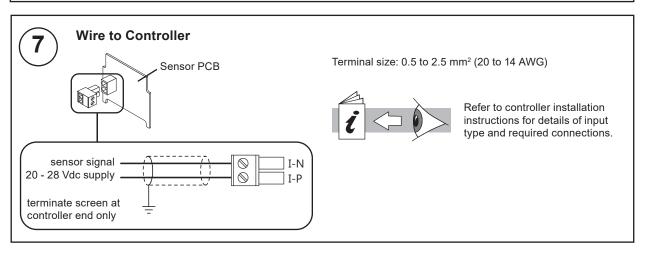


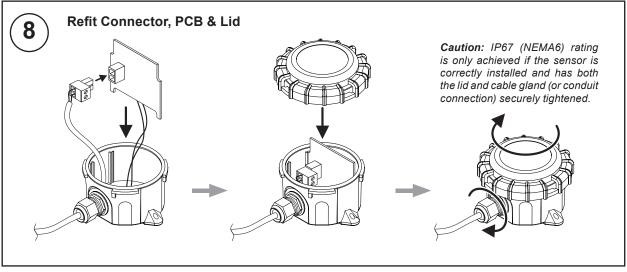




Recommended cable: Trend TP/I/22/HF/200 (Belden 8761)

Note: Rigid or flexible 20mm PVC conduit may be used as an alternative to the supplied cable gland, in which case remove the cable gland and secure the conduit directly to the box using a suitable adapter.

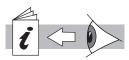






Configure Controller

Use IQSET to configure the Sensor Type and External Sensor strategy modules 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 (with firmware version 2.1 or greater)

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

> PRT I -10+110 PRT I +14+230 F

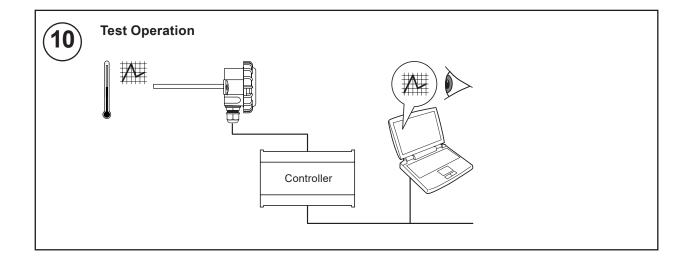
(for systems using °C)

(for systems using °F)

Alternatively set scaling mode to 5 (characterise) and enter scaling parameters manually as defined in the following table.

ı	Units	°C	°F	
Υ	Input type	2 (current)		
E	Exponent	3		
U	Upper	110	230	
L	Lower	-10	14	
Р	Points	2		
х	lx	Ox		
1	4	-10	14	
2	20	110	230	

Note: For IQ3/4 the scaling mode and exponent (E) do not need to be set up.



3 CLEANING AND MAINTENANCE

There are no serviceable parts inside the unit. Periodic cleaning of the unit should be carried out in order to avoid buildup of dust or other containments. Disconnect power before carrying out any cleaning.

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 $\,$



EHE

TR CU Certification
© 2020 Honeywell Products and Solutions SARL, Connected Building Division. All rights reserved. Manufactured for and on behalf of the Connected
Building Division of Honeywell Products and Solutions SARL, Z.A. La Pièce, 16, 1180 Rolle, 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.

Trend Control Systems Limited

St. Mark's Court, North Street, Horsham, West Sussex, RH12 1BW, UK. Tel: +44 (0)1403 211888, www.trendcontrols.com