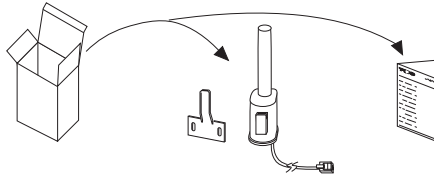


Important: Retain these instructions



UNPACKING



XW/R/IQ Installation
Instructions TG200783

INSTALLATION

1 Dimensions

Ø 20 mm (0.78")
174 mm (6.85")
mounting slot
45 mm (1.77")
37 mm (1.46")
40 mm (1.57")
4 mm (0.16")
RJ11 plug

2 Requirements

a

b

-35 °C (-31 °F) → +70 °C (+158 °F) ✓

c

75 m, 80 yds (maximum)

Note that range may be affected by environmental characteristics, e.g. partitions, walls, building structure etc.

XW/R/IQ

d

Protection IP68+

0 %RH → 100 %RH ✓

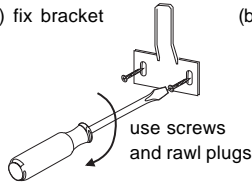
- Avoid using many other devices on frequency range 433.05 to 434.79 MHz
- Keep away from sources of interference (e.g. computer >1 m, 1 yd, microwave ovens, switch mode power supplies).
- Mount above partition height if possible.

INSTALLATION (continued)

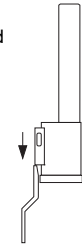
3 Mount Unit

(1) Using plastic bracket supplied

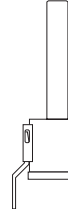
(a) fix bracket



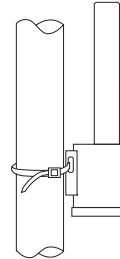
(b)



(c)

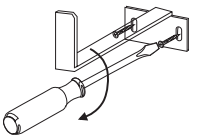


(2) Using cable tie to pipe

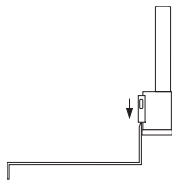


(2) Using stainless steel bracket accessory ACCW/FK/SS

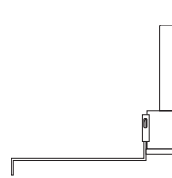
(a)



(b)



(c)



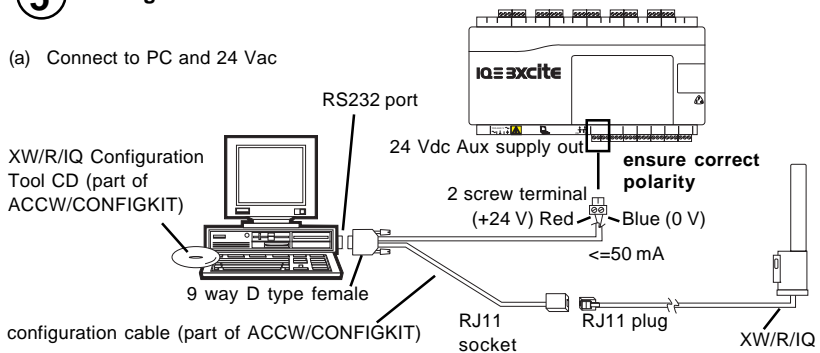
4 Install Sensor(s)



TW/S Installation Instructions TG200781
 TW/P Installation Instructions TG200782

5 Configure Receiver

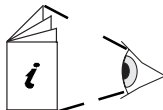
(a) Connect to PC and 24 Vac



- (b) Check the following settings in XW/R/IQ Configuration Tool:
- b1: Port is set to appropriate port number
 - b2: Protocol is set to Trend Protocol
 - b3: Read Channels 1-16 (if some channels already set up)

INSTALLATION (continued)

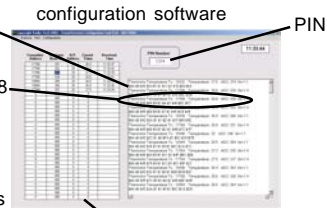
5 Configure Receiver (continued)



TW..., XW/R/IQ data sheet
TA200780
XW/R/IQ Configuration
Tool Manual TE200793

(c) c1: Select Configuration/Output Mode 0 - All transmitters [Binary]
(configuration software communications window will show communications from sensors)

c2: Select appropriate sensor identification no. from window
e.g. Thermistor Temperature TX. **16946** Temperature: 26.8
ADC: 367 f/w V4 \$---- etc.
sensor's identification number



Note: if no reception from sensor, see step 6 below.

c3: Type sensor identification number into Transmitter Address slot, and type its Analogue Node Number, and O/S (outstation) Address into adjacent slots in table

(d) Configure Table and PIN (if required) (repeat steps c2, c3 for all sensors)

Item	Default	Change if	Change to	Note
PIN number	1234	Controller(s) have passwords(s) set up different to '1234'	PIN used in controller(s) of priority level >=95	1
Transmitter Row	Transmitter Address	0	to set up new transmitter	Sensor identification number from sensor identification label (8 digits)
	Analogue Node No.	000	to set up new transmitter	Analogue node number in controller to store sensor value
	O/S Address	0	to set up new transmitter	Controller address on local network (can be local controller or another controller on network)

Notes:

- 1 If the values from the XW are to be sent to more than one controller, check if passwords (PINs) set up in any of them. One PIN must be the same in all controllers and of priority level >=95.
- 2 If sensor value is to be sent to another controller (other than the local controller) the local supervisor port address must be greater than zero.

(e) Configure Table into XW
e1 Change Configuration/Output Mode to '5 Programmed Transmitter Trend Protocol (ASCII)'
e2 Select Configuration/Programme Channels 1-16
e3 Select Configuration (Read Channels 1-16) and check table is correct

Note that to program channels 17-32 select:
Read Channels 17-32 step b3
Program Channels 17/32 step e2
Read Channels 17-32 step e3



CAUTION

Ensure that the menu item Configuration/Output Mode is set back to '5 - Programmed Transmitters Trend Protocol (ASCII)' or the receiver will not operate.

(f) Unplug XW/R/IQ receiver from adaptor cable

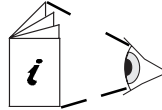
INSTALLATION (continued)

6 If there is reception failure of sensor

- 1 Check compliance with step 2 sections C & D
- 2 Move sensor or receiver slightly in case of a standing wave null position

7 Configure IQ controller strategy

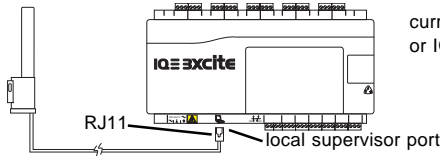
For IQ3 the sensor's target analogue node must be created using SET. An example strategy including decoding of alarm bits is given in the TW/..., XW/R/IQ data sheet



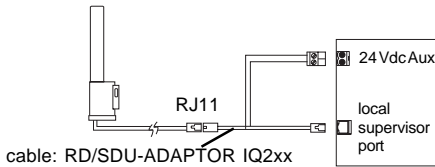
TW/..., XW/R/IQ Data Sheet TA200780

8 Connect receiver to controller

Note XW/R/IQ current consumption <= 50 mA either for IQ3 or current IQ2xx (excluding IQ251)



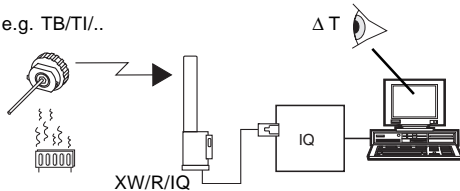
or IQ251 and older IQ2xx's without 24 V on local supervisor port



IQ251 or older IQ2xx's

9 Test System

e.g. TB/TI/..



DISPOSAL

WEEE Directive:



At the end of their useful life the packaging, product, and batteries 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.

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