sales@icp-australia.com.au www.icp-australia.com.au



i.	reatures
	ISM 2.4 GHz Operating Frequency
	Fully Compliant with 2.4G /ZigBee Specifications
	Wireless Transmission Range up to 700 m
	GUI Configuration Software (Windows Version)
	3-wire RTD Input with Lead Resistance Elimination
	Individual Channel Configuration
	Open Wire Detection
	Overvoltage Protection
	DIN-Rail Mounting
	FC FC
	Applications

Introduction __

The ZT-2015 offers 6 wireless input channels, each of which can be connected to different kinds of RTD sensors. It features automatic compensation for 3-wire RTD, with long-distance measurement capabilities so that it can measure accurately regardless of the length of the wires. Also the ZT-2015 is fully RoHS-compliant and has qualification for 4 kV ESD protection as well as 3000 VDC intra-module isolation. Users can easily configure the module address, protocol, checksum, ZB-PID, ZB-channel and type code settings using a combination of rotary and DIP switches.

ZT-2015 Wireless 6-channel RTD Input Module with 3-wire RTD Lead Resistance Elimination

System Specifications __

ZigBee 2007 Pro
11 dBm (FCC Certificated)
5 dBi Omni directional
700 m(Typical)
CE/FCC, FCC ID
255
Yes
Supports DCON and Modbus RTU Protocols
Rotary and DIP switch
1 LED, red
1 LED, green
3000 VDC
±4 kV Contact for Power Line, Communication Line and each Channel, ±8 kV Air for Random Point
±4 kV for Power Line
±3 kV for Power Line
1.5 W Max.
Fire Retardant Materials (UL94-V0 Level)
33 mm x 87 mm x 110 mm
DIN-Rail
-25 °C ~ +75 °C
-30 °C ~ +80 °C
10 ~ 90% RH, Non-condensing

Node ID: 01 ZT-AO **RS-232** RS-485 Ethernet Node ID: 00 iP-8000 PLC PC ZT-2570 Controller or ZT-2550

Building Automation, Factory Automation, Machine Automation, Remote

Maintenance, Remote Diagnosis, Testing Equipment.

I/O Specifications _

Analog Input		
Input Channels	6	
Input Type	2/3-wire RTD	
RTD Types	Pt100, Pt1000, Ni120, Cu100, Cu1000	
Resolution	16-bit	
Sampling Rate	12 Samples/Sec. (Total)	
Accuracy	+/-0.05%	
Zero Drift	+/-0.5 μV/°C	
Span Drift	+/-20 μV/°C	
Common Mode Rejection	150 dB	
Normal Mode Rejection	100 dB	
Open Wire Detection	Yes	
Overvoltage Protection	120 VDC/110 VAC	
Individual Channel Configuration	Yes	
3-wire RTD Lead Resistance Elimination	Yes	

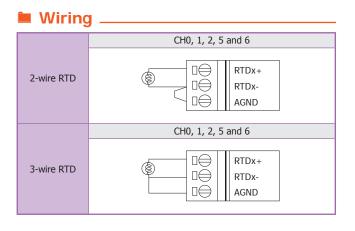
sales@icp-australia.com.au www.icp-australia.com.au

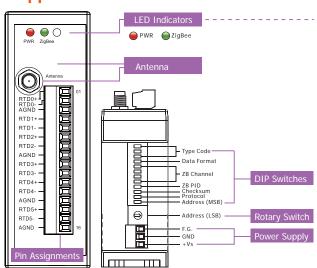
RTD Type Setting (TT) _

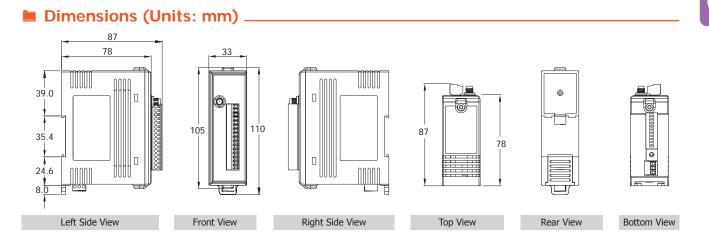
Type Code	RTD Type	Temperature Range
20	Platinum 100, a=0.00385	-100 ~ +100°C
21	Platinum 100, a= 0.00385	0 ~ +100°C
22	Platinum 100, a= 0.00385	0 ~ +200°C
23	Platinum 100, a= 0.00385	0 ~ +600°C
24	Platinum 100, a= 0.003916	-100 ~ +100°C
25	Platinum 100, a= 0.003916	0 ~ +100°C
26	Platinum 100, a= 0.003916	0 ~ +200°C
27	Platinum 100, a= 0.003916	0 ~ +600°C

Type Code	RTD Type	Temperature Range
28	Nickel 120	-80 ~ +100°C
29	Nickel 120	0 ~ +100°C
2A	Platinum 1000, a= 0.00385	-200 ~ +600°C
2E	PT 100, a= 0.00385	-200 ~ +200°C
2F	PT 100, a= 0.003916	-200 ~ +200°C
80	PT 100, a= 0.00385	-200 ~ +600°C
81	PT 100, a= 0.003916	-200 ~ +600°C

Appearance _







Ordering Information

Wireless 6-channel RTD Input Module with 3-wire RTD Lead Resistance Elimination (RoHS) (Long Range)

Important Note: Zigbee Data Acquisition modules need a Zigbee host converter to coordinate the data transmission route. Please remember to order a ZT-2550, ZT-2570 ZigBee host converter when you purchase Zigbee Data Acquisition products.

Accessories __

ZT-2015 CR

MDR-20-24	24 VDC/1.0 A, 24 W Power Supply with DIN-Rail Mounting
ZT-2510 CR	ZigBee Repeater (RoHS)
ZT-2550 CR	RS-485/RS-232 to ZigBee Converter (Host)
ZT-2570 CR	Ethernet/RS-485/RS-232 to ZigBee Converter (Host) (RoHS)