

Z-HEAD-TX

WIRELESS 4-20mA TRANSMITTER WITH Tx SUPPLY



- ❑ Battery Powered Wireless Transmitter
- ❑ Supplies excitation voltage to 4-20mA transmitters
- ❑ Long Battery Life
- ❑ Make any transmitter into a wireless transmitter !
- ❑ Complete Thermocouple, RTD, Pressure and Level wireless probes are available

Description

The Z-HEAD-TX is designed to convert any standard 4-20mA transmitter into a wireless unit.

It works by switching on a supply to the 4-20mA transmitter, waiting for a suitable settling time and then sending the data to one of Industrial Interface's standard wireless receiver units.

The Z-HEAD-TX is specially designed to maximise battery life and in a typical application the battery life will exceed 12 months. The data update rate is user selectable to suit the requirement of each measured variable and so maximise battery life.

Typical update rates include 1 second, 10 seconds, 60 seconds or 1 hour. The system also features a signal strength reading and time since last transmission which can be remotely monitored.

The Z-HEAD-TX is designed to operate with the Z-200 or Z-PORT units. The Z-200 can output a 4-20mA or 0-10V signal whilst the Z-PORT can store up to 1024 variables for transmission to an Industrial Ethernet connection or an RS232/485 communications link.

Inputs

The input types and ranges included below are our standard ones only. Contact Sales for others.

DC Current & Voltage

0-20mA, 4-20mA, 0-10mA into 15/30 Ω

0-1V, 0-10V, 1-5V into 100k Ω / 1M Ω

Any standard 4-20mA transmitter



Technical Specifications

Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered (18V Tx Supply)
Supply Current (mA)			40	When transmitting data
Input Impedance (Voh)		15Ω		Dependent on range, typical = 4-20mA
Operating Ambient	-200 °C		55°C	
Relative Humidity	0%		90%	
Isolation Voltage ^{see note 1}	1kV			
Notes				

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www.onetemp.com.au
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Installation data

Mounting	DIN Rail TS32/35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 100g
Enclosure Size	160 x 90mm x 50mm deep

Connection details

1	Battery -ve
2	Battery +ve
3	Input +ve
4	Tx Supply +ve

Ordering information

Please supply:	
Part Number	Z-HEAD-TX
Input Type	4-20mA
Input Range	0-100%
Power Supply	Battery powered

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