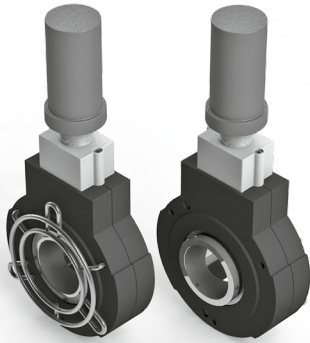


Series 14 absolute intrinsically safe hollow shaft encoder - WiFiEx



1 4 X X - X X W H - A X X X

<u>Shaft Size</u>	<u>Absolute Output</u>	<u>Resolution</u>
12 = 12 mm	06 = 4...20 mA*	A007 = 7 bits
14 = 14 mm	33 = DeviceNet	A010 = 10 bit
20 = 20 mm	08 = XML RS232	
25 = 25 mm		
30 = 30 mm	*4...20mA span is based on a load	
40 = 40 mm	of 250 ohms on the receiver	
B1 = 1"		



Technical Data

Encoder:

Operating Temp:	-20C to +49C
Housing Material:	Die Cast Aluminum
Shaft Material:	Aluminum
IP rating:	IP64
Shaft load:	Supports 'system' weight
Humidity:	98% permissible
Shock:	10mg (6msec)
Vibration:	5g (500Hz)
Shaft Speed:	3000 rpm or 2.5kHz (electrics)

Transmitter:

Operating Temp:	-20C to +49C
Housing Material:	Plastic
IP rating:	IP66
Peak RF:	0 dBm, 1mW
Frequency:	2.4 GHz 124 channels
Data Rate:	250 kbs

Battery Pack:

Operating Temp:	-20C to +49C
Housing Material:	Stainless Steel
IP rating:	IP66
Humidity:	98% permissible
Type:	Lithium Thyonide Chloride
Life Time:	Max 1.5 years, 19,000 mAHrs 300 million data transmissions

Receiver Module:

- Click above for a full description of the outputs that can be generated from the receiver module.

Function:

The 7 or 10 bit position from the encoder is transmitted to a distant module. As standard, the module is updated every two seconds in order for the system to have a lifetime of 5 years.

Identity:

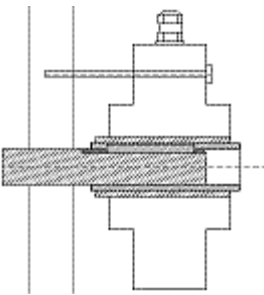
Each encoder has a unique identity number in case multiple sensors are purchased. The ID numbers can be customer specified. As default, they be the serial number of the device, this way, there will never be conflicting identities on a system.

Certifications

IP64
IECEX
ATEX

Mounting Instructions

1. Just before installing encoder onto shaft, screw the battery pack in firmly to the transmitter housing (the clear part)
2. Mount the encoder mechanically as you would any other encoder.
3. On the safe side, plug in the receiver module into the PLC or computer and start reading the data in whatever format you have.
4. The battery can be 'hot-swapped' in the field for a new battery if it does run out.
5. *If you will NOT immediately use the encoder, do NOT connect the battery. Only connect the battery right before using.*



Dimensions

