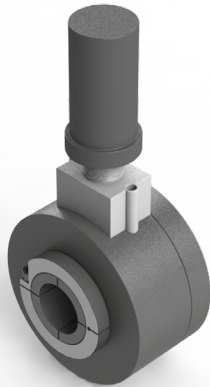


Series NAMFPX intrinsically safe absolute hollow shaft encoder - WiFiEx



N A M F P X X X X W G R / A X X X

<u>Shaft Size</u>	<u>Resolution</u>
14 = 14 mm	A007 = 7 bits
16 = 16 mm	A010 = 10 bits
20 = 20 mm	D = DeviceNet
25 = 25 mm	4 = 4...20 mA*
30 = 30 mm	R = XML RS232
AA = 1"	

*4...20mA span is based on a load of 250 ohms on the receiver



Technical Data

Encoder:

Operating Temp:	-20C to +49C
Housing Material:	Hard Anodized Aluminum
Shaft Material:	St. Steel
IP rating:	IP66M
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 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:

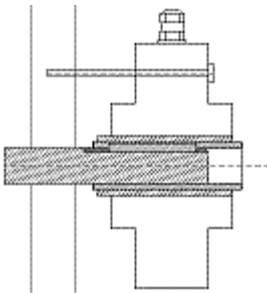
Each encoder has a unique identity number in case multiple sensors are purchased. The ID numbers can be customer specified. As default, they be the serial number of the device, this way, there will never be conflicting identities on a system.

Certifications

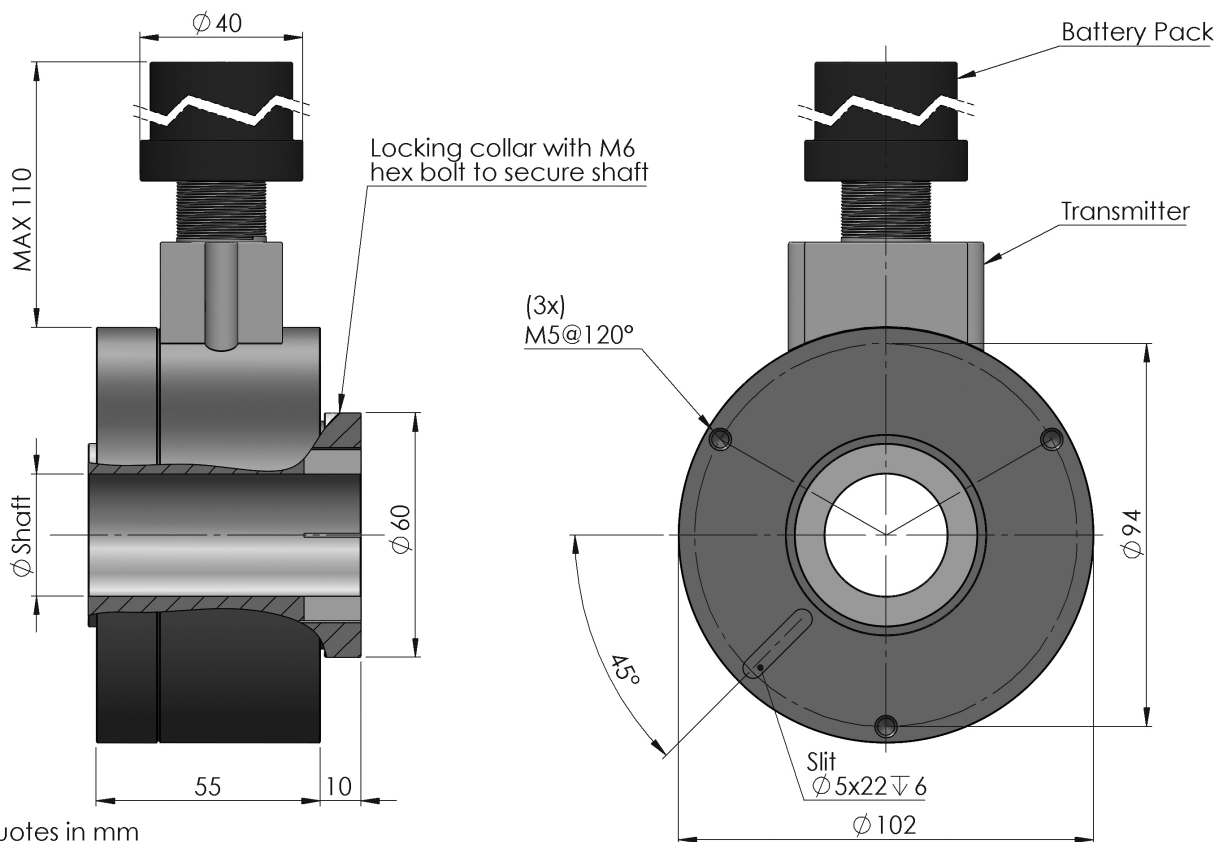
IP66
IECEX
ATEX

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



All quotes in mm