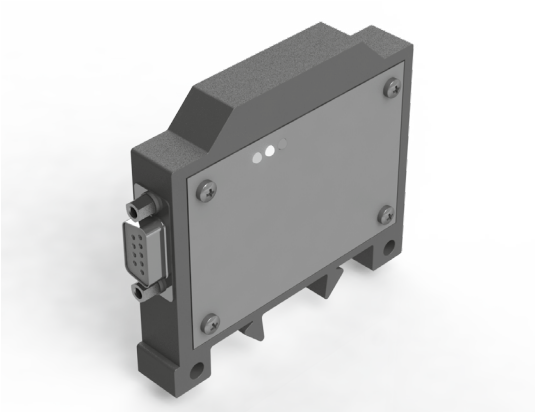
hohner
Elektrotechnik Werne

Receiver Module for Wireless Encoders



Receiver - A A - Z Z Z

Type of output = AA
13 = Standard Quadrature
08 = XML RS232
06 = 4...20 mA

Options = ZZZZ
X01 = With external antennae
X02 = With external antennae and 4ft (1.2m) cable lead
X03 = With external antennae and 6ft (1.8m) cable lead
X04 = Dual output, 2x A and B channels (can be used together with other options, just append to end of part number)

The Receiver is NOT certified to Intrinsic Safety standards, and therefore should be installed in the safe area. If it has to go into an Ex Box, we can provide an external antennae.

Technical Data (General)

Housing:	
Operating Temp:	-20C to +49C
Housing Material:	Plastic
IP rating:	IP44
Humidity:	98% permissible
Shock:	10mg (6msec)
Vibration:	5g (500Hz)
Mounting:	On to DIN rail

Transmission:	
Operating Distance	300 ft max with line of sight
Frequency Band:	124 Channels 2.4 GHz ISM
Security:	CRC Check Sum / Unique ID
Data Rate:	250 kbs
Operating Distance	300 ft max with line of sight
Protocol:	Proprietary due to low power consumption
Data Rate:	250 kbs
Peak RF:	0 dBm, 1mW

General Details:
-Receives data from the sensor
-Electronics built into the module can then convert the data to RS232 for HyperTerminal, Analogue, Voltage and other protocols
-WiFi communication is kept short to avoid battery drainage.

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.

Technical Data (For Each Type)

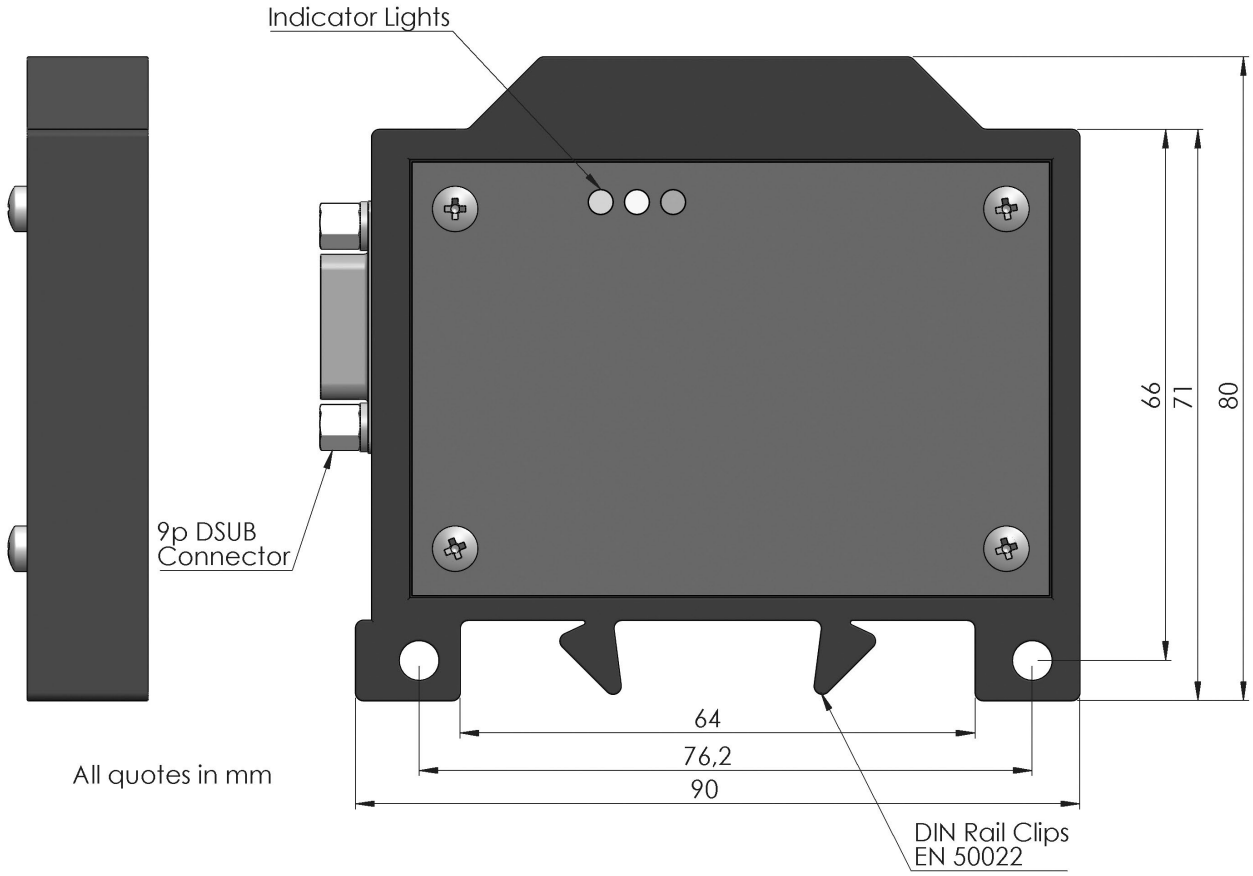
Quadrature Version	
Data Transmission:	Data packets are sent out in intervals of 16ms. Each data packet contains the pulses of what happened in the previous 16ms. This results in the pulses not coming out evenly spaced. Quadrature from encoder itself is limited to 2.5kHz.
Connection:	Connects in same way as normal incremental encoder, channels A and B and power Power requirements are 5...24V input, resulting in pulses that are 5...24V high

RS232 Version	
Data Transmission:	Data is sent as simple ASCII

4...20 mA Version	
Data Transmission	4...20 mA
Connection:	3 wire

Reciever Module

Dimensions



All quotes in mm