

Series SUBXWD absolute 4...20mA 1000m submersible solid shaft encoder



(Hard Anodized Aluminum version of the SUBXWD (72mm Ø) shown)

SUBXWD - XX - 34 X X - X X X X

| | | | | |
|---------------------|-------------------|--|--|-------------------|
| | | | | <u>Resolution</u> |
| <u>Encoder Size</u> | <u>Shaft Size</u> | | | 1 ramp per: |
| S = 72mm Ø | K1 = 12 x 25 | | | 0090 = 90° |
| L = 90mm Ø | K5 = 12 x 20 | | | 0180 = 180° |
| | | | | 0360 = 360° |

Connection -----

M = MacArtney 8 pin
 MCBH8MSS Connector
[Connector Data Sheet](#)
[Cable Data Sheet](#)

Exit

R = Radial Aluminum
 A = Axial Aluminum
 T = Radial Stainless Steel
 C = Axial Stainless Steel

For cable output, specify the length of cable to be attached to the mating connector side on a separate line on the PO

Technical Data

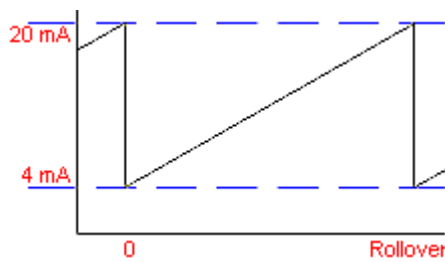
| | |
|-----------------|--|
| Operating temp: | - 20 ...+ 60 degrees C - 4 ...+ 140 degrees F |
| Input Voltage: | 24 V |
| Weight: | 1 Kg to 6Kg |
| Protection: | IP 68M |
| Housing: | Aluminum or St. Steel |
| Shaft: | Stainless Steel |
| Bearings: | 2 x 6807 ZZ |
| Torque: | 0.8 oz/in (6 N-cm) |
| Shaft load: | Supports its own weight |
| Humidity: | Up to 98% permissible |
| Speed: | 600 RPM |
| Output: | 4...20mA absolute |

Connection Options

| | |
|------------------|------------------------|
| | MacArtney 8 pin |
| PS GND | 1 |
| PS 24 V | 2 |
| Output 4...20 mA | 3 |

Output

Diagram is shown with clockwise shaft rotation viewed from shaft end

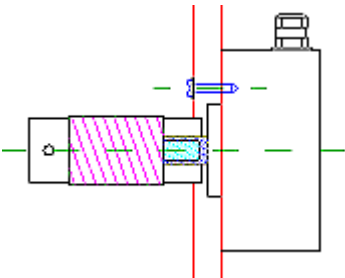


Certifications

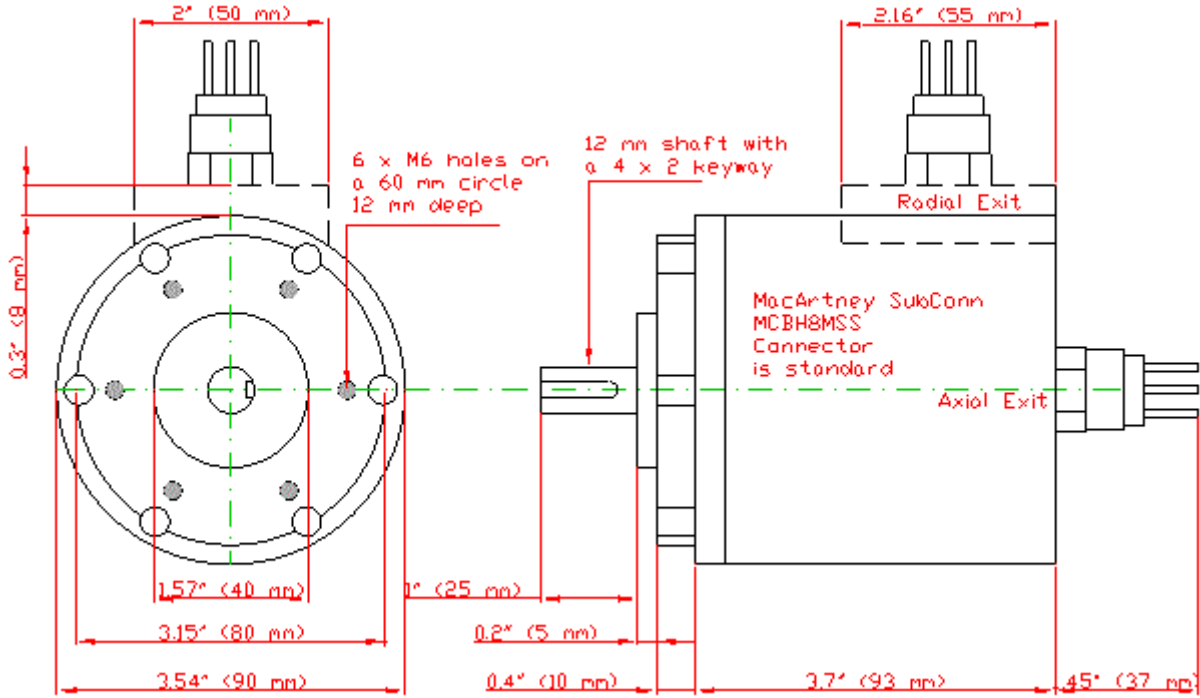
[IP 68M to 1000m testing](#)

Mounting Instructions

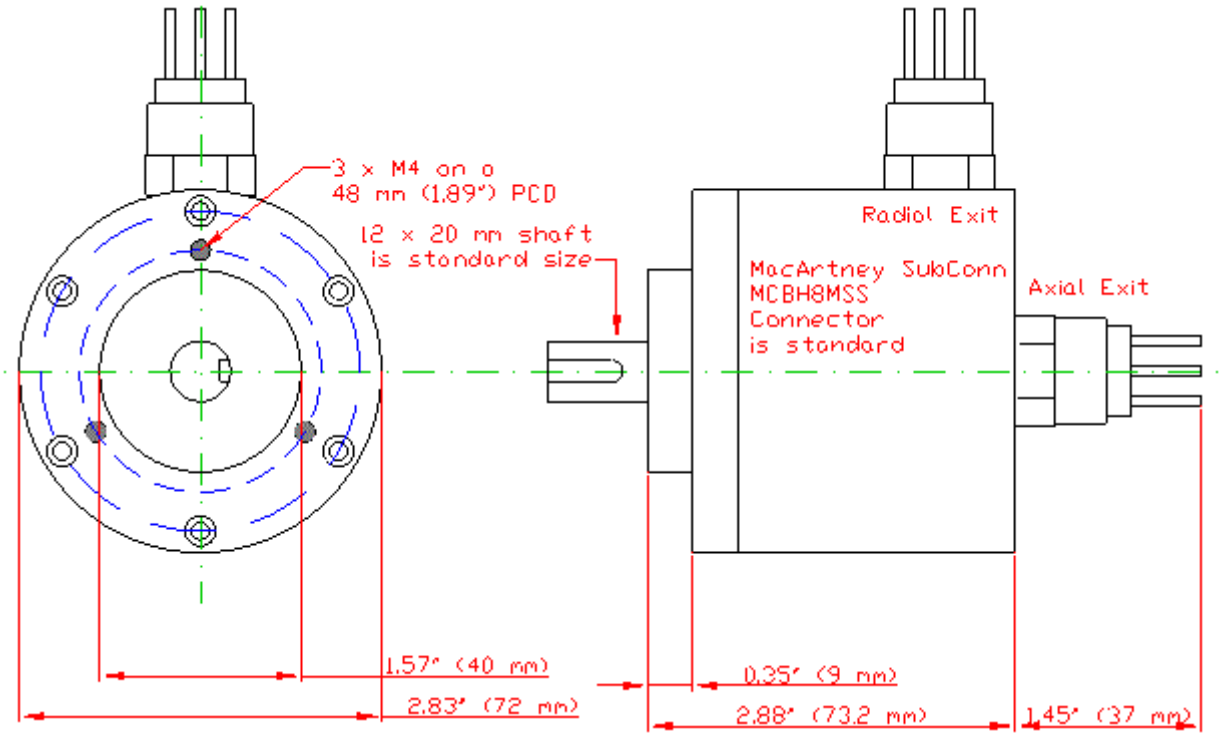
Hook up the encoder with the connections as described. Make sure power supply meets specifications. Attach encoder to mounting bracket as shown. Attach shaft using a flexible coupling.



Dimensions of the 90 mm diameter version (Large)



Dimensions of the 72 mm diameter version (Small)



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