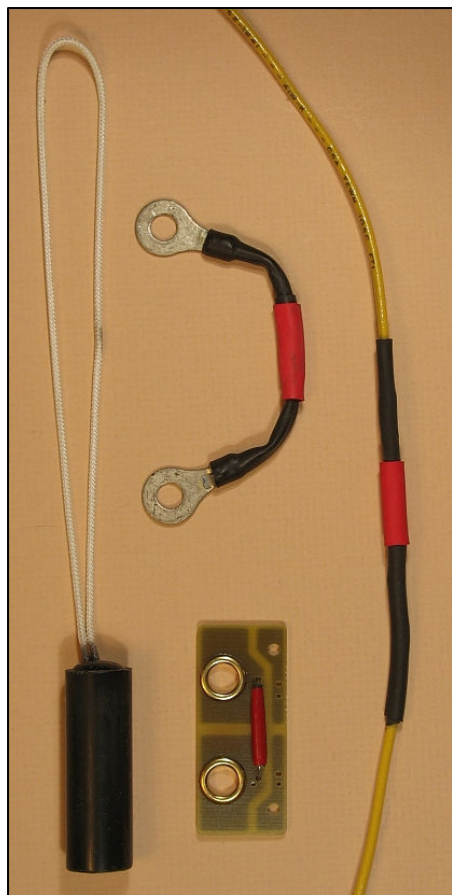


Model UI-MS – Magnetic Switch System

EDI Model UI-MS Magnetic Switch System consists of a sealed reed switch for use in above and below ground test stations. The switch is activated by holding a magnet next to it.

Typical Applications

- Cathodic protection coupons – use a normally-closed switch to simplify making instant-disconnect measurements.
- Reference electrodes – use a normally-open switch to keep the reference electrode isolated from the structure except when measurements are being made.



Electrical Specifications

Switching Current: 0.5 amps

Carry current: 1.0 amp

Switching Voltage: 175 volts

Breakdown voltage: min. 200 VDC

Contact resistance: 150 mohm

Operating temp.: -40°F - 260°F (-40°C - 130°C)

Switch Configurations

Board Mount: switch is mounted on a small circuit board with two 9/32 in. (7 mm) dia holes on a 1 in. (25.4 mm) spacing.

Specify as Model UI-MSx-BRD

Adjustable mount: switch is centered in a 4 in. (100 mm) length of wire terminating in 9/32 in. (7 mm) ID ring lugs.

Specify as Model UI-MSx-ADJ

Wire Mount: switch is centered in a 20 in. (50 cm) length of #16 AWG TFFN wire.

Specify as Model UI-MSx-WIR

Note - *x* refers to switch type:

C = normally closed, use magnet to open (red band)

O = normally open, use magnet to close (white band)

Activating Magnet

Specify as EDI Model UI-MS-MAG

Magnetically operated switches are momentary toggle switches which are activated by touching the magnet to the color band on the switch body. Red bands denote normally closed switches which are momentarily opened with the magnet. These are most often used for instant-disconnect cathodic protection coupon measurements. White bands denote normally open switches which are momentarily closed with the magnet. These can be used to electrically isolate a reference electrode in test stations which may become submerged. For best results, the use of Model UI-MS-MAG magnets are recommended.

electrochemical devices, inc.

Sales office: Tel: 617-484-9085

Fax: 617-484-3923

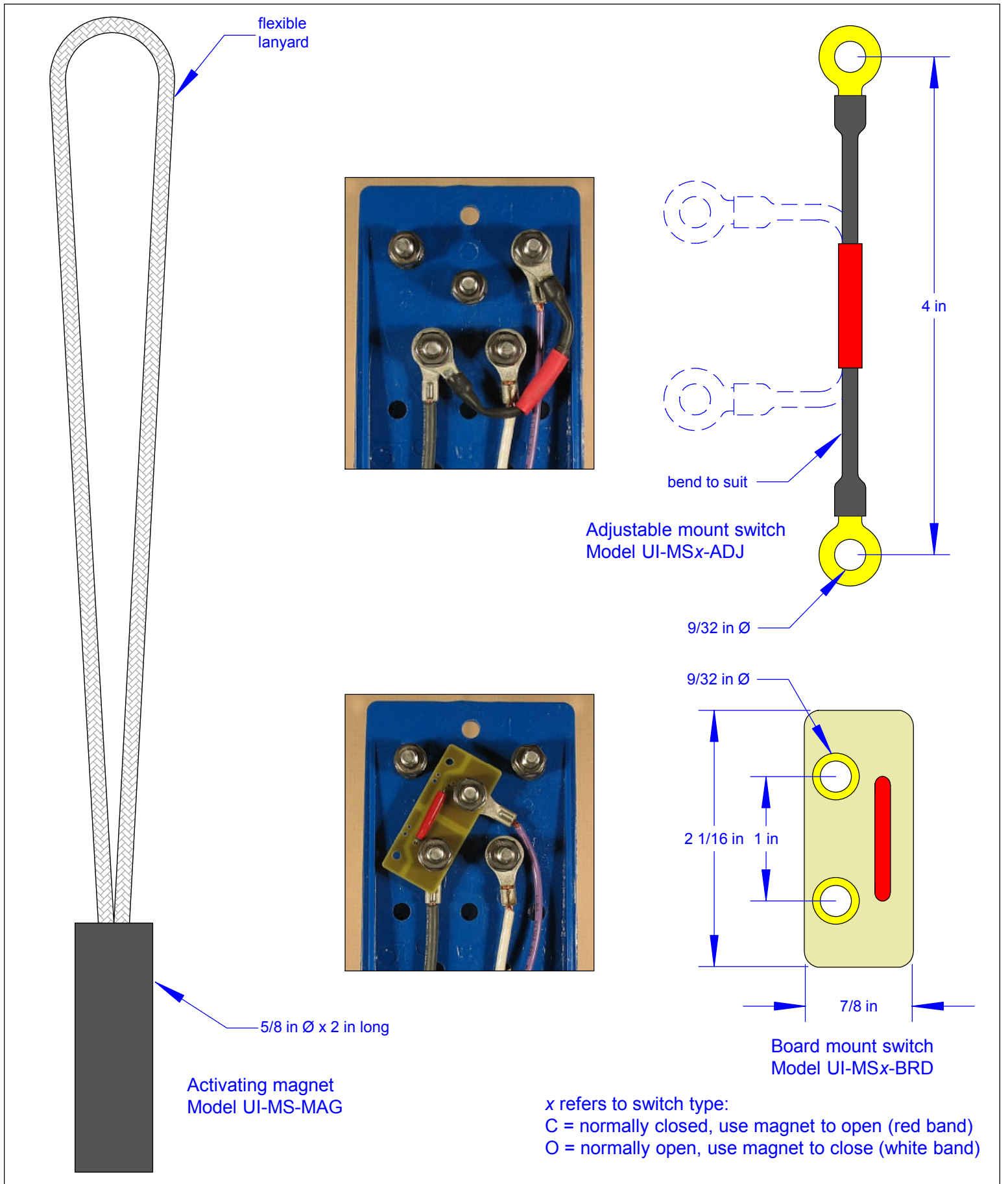
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