

ULTRA MAG[®]

UMRM INSTRUCTIONS (Conversion From Sensor Mount To Remote Mount)

- 1) Disconnect power to the converter.
- 2) Remove panel from converter (page 13 of manual), disconnect wires from terminals inside converter.
- 3) Remove four screws and remove converter from sensor.
- 4) Install o-ring (if provided) in groove on surface of sensor converter mount.
- 5) Route sensor wires up through the hole in bottom of metal junction box – install junction box on sensor converter mount using four screws provided.
- 6) Install DIN rail and junction terminals (provided) inside junction box. Connect sensor wires to one side of terminals inside junction box. Be certain wires are clean and making good contact inside the terminal – snug screws in terminals to firmly hold wires in place.
- 7) Route the extension cable through the liquid tight strain relief (provided) in the side of the junction box. Pull only enough cable through the liquid tight strain relief to allow for easy connection to junction terminals. NOTE: Black jacket of extension cable must be routed through the rubber grommet of the liquid tight strain relief for proper sealing.
- 8) Connect extension cable leads to junction terminals where the matching sensor wires are connected. Check wire colors to ensure proper wiring.
- 9) Wire extension cable to remotely mounted converter terminals (see manual page 11). Be sure to use liquid tight strain reliefs for all power and signal cables.
- 10) Restore power to the converter and check for proper operation – check for any faults (see manual page 34).
- 11) Install cover on remotely mounted converter (page 13 in manual).
- 12) Tighten the cap of the liquid tight strain relief at the junction box to ensure no moisture can penetrate the junction box around the extension cable.
- 13) Fill the junction box with a moisture proof, non-shrinking, potting compound for electrical connections. Allow the compound to cure – install the junction box cover (with gasket) using four screws.



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