



CK4808-13540 Mini Ultrasonic Kit

Ultrasonic Level Sensor with Configured Panel Meter

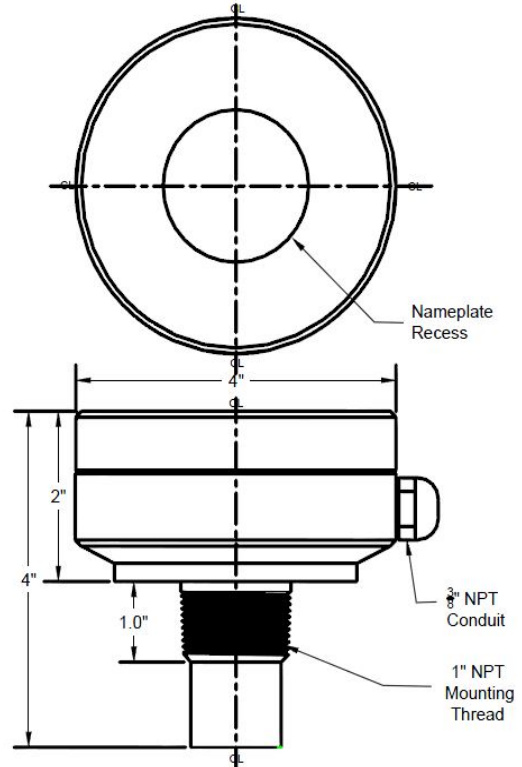
Madison Company's CK4808-13540 kit includes an Ultrasonic Level Sensor and advanced Process Panel Meter, and is ideal for non contact liquid level measurement and control. This kit is preprogrammed for turn key tank level measurement for 6' sensing range, and includes two programable relays, pre-set for 10% and 90%. They can be field configured for other ranges, and the panel meter readout can be displayed in gallons, inches, or % as desired.

Features: U3M-148 - Ultrasonic Continuous Level Sensor

- Non-contact measurement to 6' ft.
- Ultrasonic technology
- Push-button Programmable Calibration
- Microprocessor-based reliability
- Temperature compensation
- Self-cleaning sensor face is unaffected by condensation

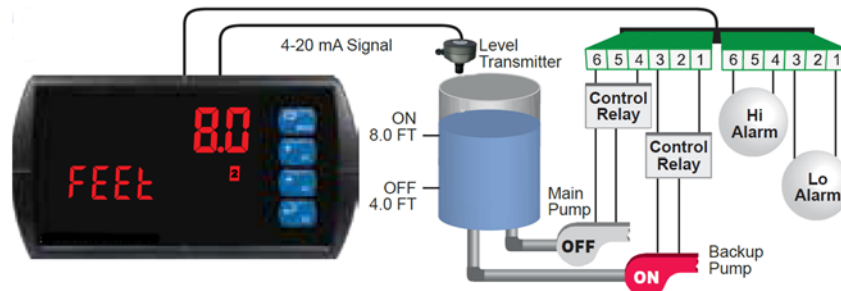
Features: MD4815-110-02 - Panel Meter

- 1/8 DIN Digital Panel Meter with NEMA 4X, IP65 Front
- Dual-Line 6-Digit Display, 0.6" (15 mm) & 0.46" (12 mm)
- Standard Input Power 85-265 VAC
- 4-20 mA, 0-20mA, 0-5 V, and ±10 V Selectable Inputs
- Isolated 24 VDC @ 200 mA Transmitter Power Supply
- 2 Relays with Interlocking Capability
- Multi-Pump Alternation Control
- Operating Temperature Range: -40 to 65°C (-40 to 150°F)
- Programmable Display, Function Keys & Digital Input
- Free PC-Based MeterView Pro USB Programming Software included



Applications:

- Non-Contact Continuous Measurement
- Various liquids and slurries
- Vented stationary tanks up to 6'
- Food and beverage
- Water and wastewater
- Oils & Vaporless Chemicals
- Other sensor models available for larger tanks

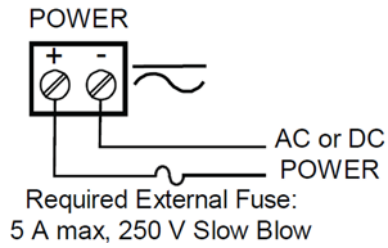


Madison Company

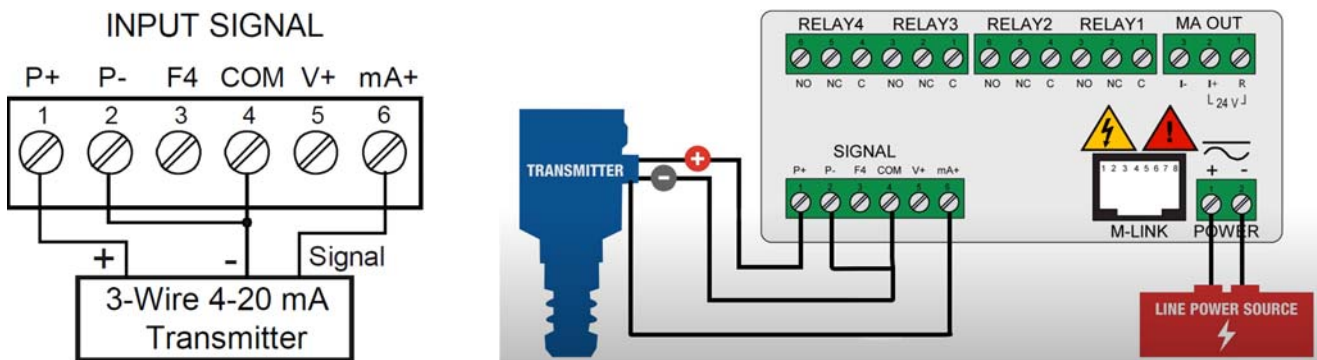
Tel: (203)-488-4477

www.madisonco.com

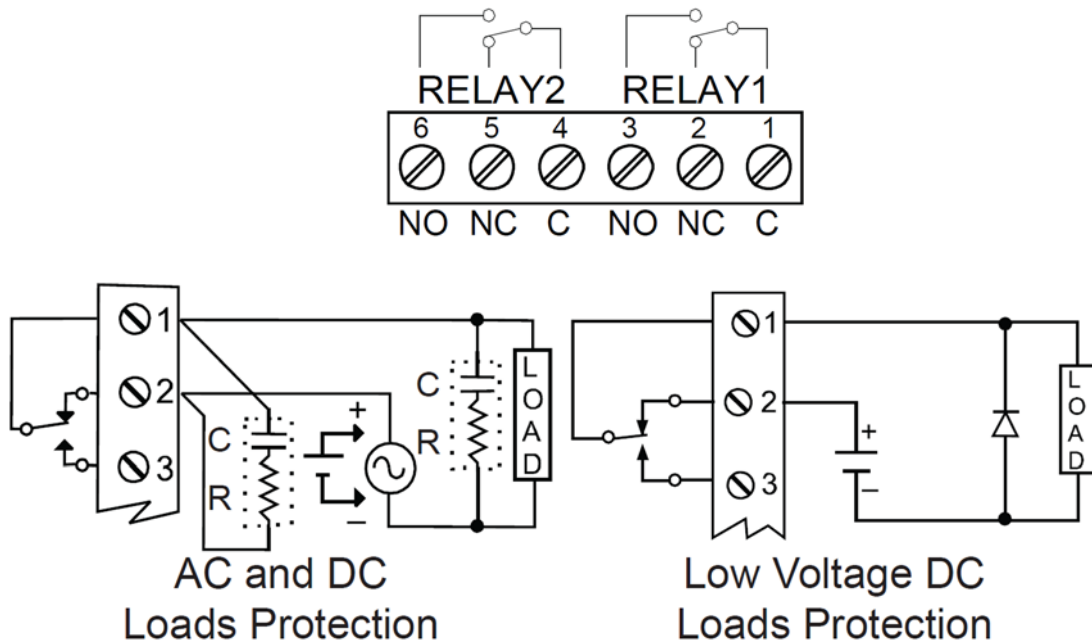
<mailto:info@madisonco.com>



Wiring for a 3-Wire 4-20 mA input using internal power



Wiring for internal relays operation.

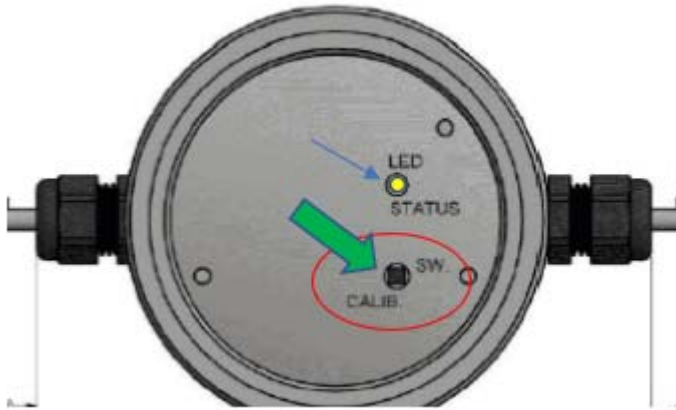


Push Button Sensor Calibration

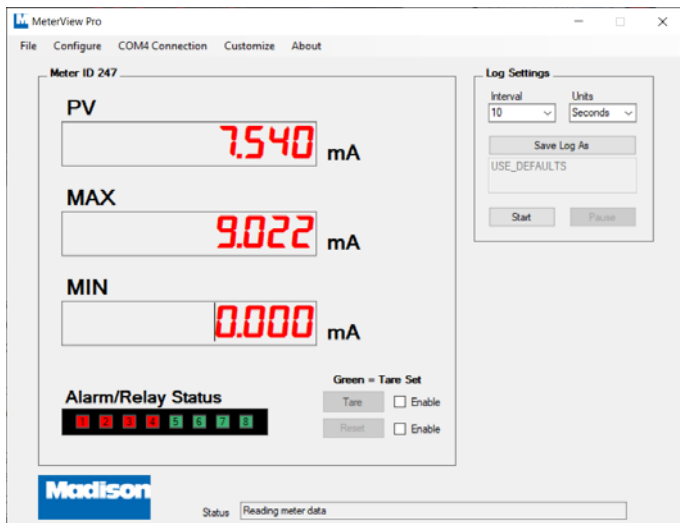
Place sensor the appropriate distance to set the 20mA value (near or far target). Hold "Calib" button until the LED turns yellow.

Set sensor the appropriate distance to set the corresponding 4mA value, then hold the "Calib" button until the LED turns red.

Move the sensor to verify a change from 20mA - 4mA



METERVIEW PRO SOFTWARE SETUP



FRONT PANEL SETUP



MENU Menu Button – Use this button to access *Programming Mode* and to return to *Run Mode*.

Note: If you think you have made a mistake while programming the meter, use this button to return the meter to *Run Mode* without saving.

F1 Right/F1 Button – Use this button to change the selected digit while inputting a numeric value in *Programming Mode*.

F2 Up/F2 Button – Use this button to increment the selected digit while inputting a numeric value in *Programming Mode*.

F3 Enter/F3 Button – Use this button to access or accept a menu item while in *Programming Mode*.

Front Panel Push Button Programming

The 4-20 mA analog output can be scaled to provide a 4-20 mA signal for any display range selected. No equipment is needed to scale the analog output; simply program the display values to the corresponding mA output signal. The Analog Output menu is used to program the 4-20 mA output based on display values.

