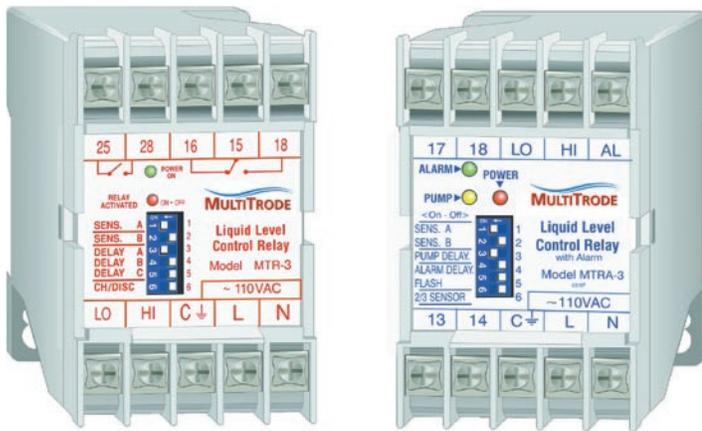


MTR Level Relay



The MTR level relay has proven itself to be simple and extremely reliable in pump stations everywhere. The MTR controls one pump or one alarm. The MTRA controls one pump and one alarm.

Safe

The extra low sensing voltage ensures maintenance staff and operators are protected at all times.

Four sensitivities

Allows the relay to operate effectively in a wide range of conductive liquids.

Activation delays

Each output can have a different time delay to overcome wave action and turbulence.

LED indication

High intensity LED indicators ensure clear signals. Power On (green). Alarm On (red). Pump On (yellow).

Dipswitch programmable

All settings are easily selectable from the front panel.

Proven reliability

The proven design and performance of the relay ensures long-term reliability of the MultiTrode system.

I.S application

Perfect for I.S application when used with an MTISB.

Unique two-sensor operation (MTRA only)

Pump and alarm can be controlled using two or three sensors. Two-sensor operation is ideal for budget applications or where space is limited.

DIN rail or screw mounting

Low installed cost

Specifications

Mode of operation:

MTR Mode	Charge/Discharge (Fill or Empty)
MTRA Mode	Discharge ONLY

Probe Inputs:

Sensor inputs	MTR : 2 / MTRA : 3
Sensor voltage	10/12VAC Nominal
Sensor current	0.8mA max. (per sensor)
Sensitivity	1k, 4k, 20k, 80k

Relay Outputs:

MTR relay output	2 contact sets : 1 N/O & 1 C/O
MTR Output delay	0, 2.5, 5, 10, 20, 40, 80, 160 sec

MTRA relay output	2 relays : both N/O
MTRA Output delay	Pump: 0.5, 10; Alarm: 0.5, 15 sec

Relay contact rating	250 VAC
Relay contact life	5A Resistive, 2A Inductive
Terminal size	10 ⁵ Operations
	2 x 13 AWG / 2.5mm ²

Display

LEDs:	Power On	Pump	Alarm
MTR	Green	Red	Red
MTRA	Green	Yellow	Red

Physical Product:

Dimensions	2.7/8H x 1.3/4W x 4.1/2D (Inches) 72Hx45Wx114D (mm)
Mounting	DIN Rail or 2 x #6 Screws / 2 x M4 Screws
Enclosure	Makrolon (self-extinguishing)



Power Supply:

Supply Voltage AC	24, 110, 240, 415VAC* - 50/60Hz
Power Consumption	3.5 Watts max *(MTR only)
Supply Voltage DC	12 or 24VDC,
Power Consumption	3 Watts max

Environmental Range:

Centigrade	- 10 ⁰ to +60°C
Fahrenheit	+14 ⁰ to +140°F



Available Models & Ordering Information

415VAC	MTR-1	n/a
240VAC	MTR-2	MTRA-2
110VAC	MTR-3	MTRA-3
24VAC	MTR-4	MTRA-4
24VDC	MTR-5	MTRA-5
12VDC	MTR-6	MTRA-6

MULTITRODE

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