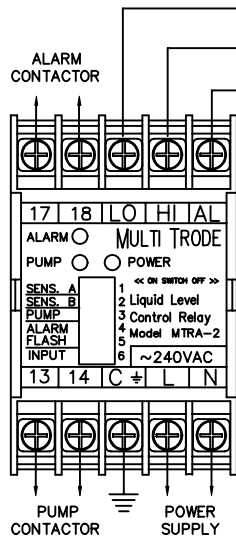


MULTITRODE RELAY WITH ALARM (MTRA) INSTALLATION SHEET

3 SENSORS INPUT OPERATION FOR DISCHARGING



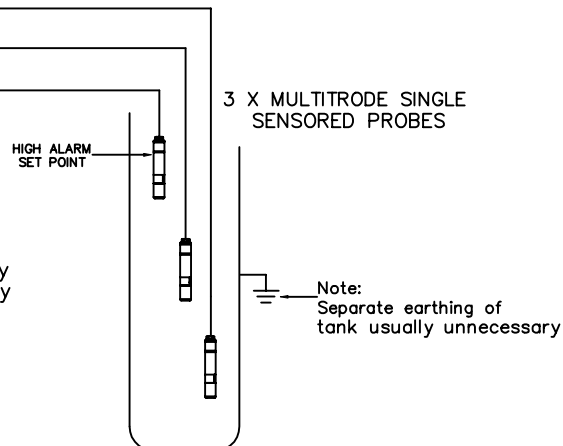
RELAY DIP SWITCH SETTINGS

1	ON
2	OFF
3	OFF
4	OFF
5	ON
6	OFF

RELAY PROGRAMMED FOR

- 20k Ohm sensitivity
- 0.5 Second Pump Delay
- 0.5 Second Alarm Delay
- Alarm Mode Flash
- Input Mode 3 Sensor

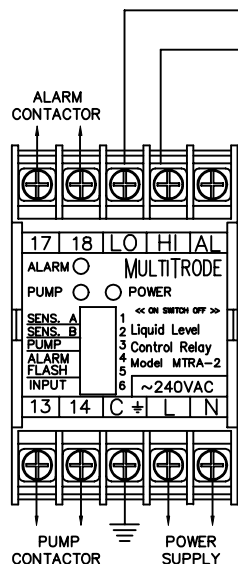
NOTE:- IF MULTIPLE UNITS ARE MOUNTED TOGETHER ALLOW A MINIMUM SPACING OF 5mm BETWEEN THEM



MTRA RELAY PROGRAM FUNCTIONS

SWITCH No	1	2	SENSITIVITY
OFF	OFF	1K Ω	Concentrated Acids Minerals, Alkalines
OFF	ON	4K Ω	Acids, Alkalines, Diluted Brine, Sea Water
ON	OFF	20K Ω	Sullage, Sewerage Effluent Town Water
ON	ON	80K Ω	Industrial Effluent and Process, Purified Water
3			PUMP (Delay on Activation)
OFF			0.5 SECONDS
ON			10 SECONDS
4			ALARM (Delay on Activation)
OFF			0.5 SECONDS
ON			16 SECONDS
5			ALARM MODE
OFF			STEADY
ON			FLASH
6			INPUT MODE
OFF			3 SENSOR
ON			2 SENSOR

2 SENSOR INPUT OPERATION FOR DISCHARGING

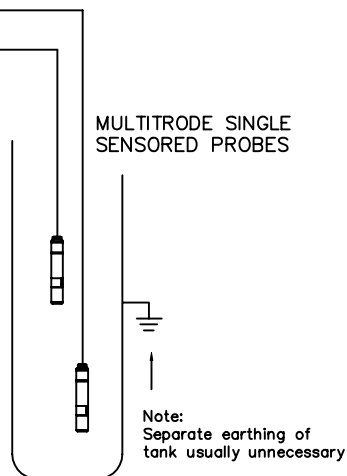


RELAY DIP SWITCH SETTINGS

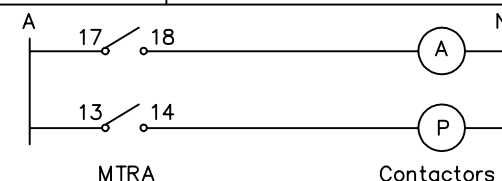
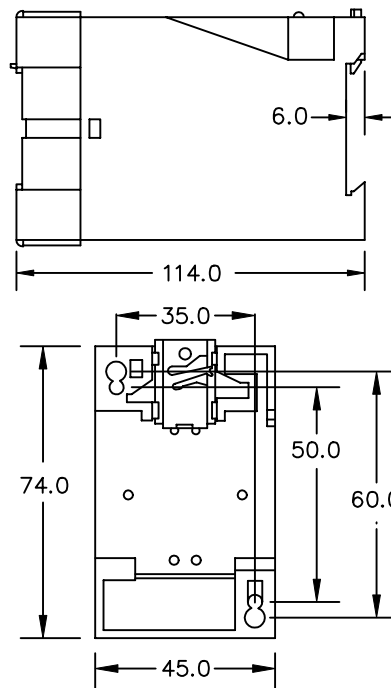
1	ON
2	OFF
3	OFF
4	ON
5	ON
6	ON

RELAY PROGRAMMED FOR

- 20k Ohm sensitivity
- 0.5 Second Pump Delay
- 16 Second Alarm Delay
- Alarm Mode Flash
- Input Mode 2 Sensor



MTRA DIMENSIONS IN mm.



SPECIFICATIONS

SENSOR VOLTAGE	12VAC NOMINAL
NUMBER OF OUTPUTS	2 SETS NORMALLY OPEN
CONTACT RATING	5 AMP 250VAC RESISTIVE
CONTACT LIFE	10 ⁵ OPERATIONS
SUPPLY VOLTAGE(+/-10%)	24, 110, 240VAC, 50/60Hz
POWER CONSUMPTION	4.0VA (MAX)
DIMENSIONS mm	H74 X W45 X D114
TERMINAL SIZE mm	2 X 2.5mm ²
DISPLAY LEDS	GREEN - POWER ON RED - ALARM ON YELLOW - PUMP ON
MOUNTING ARRANGEMENT	DIN RAIL OR 2X4mm SCREWS
SENSITIVITY (OHMS)	1K, 4K, 20K, 80K
INPUT MODE	2 SENSOR, 3 SENSOR
DELAYS (SECONDS)	PUMP - 0.5 OR 10 SEC. ALARM - 0.5 OR 16 SEC.
WORKING TEMPERATURE C	MINUS 10° C PLUS 60° C

THE MTRA RELAY IS DESIGNED FOR DISCHARGE MODE ONLY.
THE MTRA RELAY CAN BE PURCHASED AS A SUMP PACK: MTSSP.
A MTSSP PACK INCLUDES 1 X MTRA RELAY AND 2 X SINGLE SENSORED PROBES (MODEL: 0.2/1-10M) WITH 10M OF CABLE.

PH (07) 3808-4011
FAX (07) 3808-0011

FOR CUSTOMERS
TITLE MTRA WIRING DIAGRAM

MULTITRODE

DESIGNED BY MULTITRODE
CHECKED CHRIS EATON
DRAWN BY TRAVIS PARKINSON

REV.2.1 SCALE N.T.S
DATE 17-04-00
DRAWING # 9961

Designed & Manufactured by MULTITRODE Pty. Ltd. BRISBANE, AUSTRALIA