

## BE16 - 4 Station Alarm

### Installation and User Notes

A versatile alarm panel that can monitor up to 4 independent areas using either specialist sensors or simple switch contacts. This enables the unit to monitor areas such as bilge and tank levels, engine over temperature trips, gas levels, open hatches/doors etc. or any combination.

- 12 or 24V DC supply. Reverse polarity and transient voltage protected.
- Very low current consumption; pulsed sensor outputs reduce current use.
- 4 independent inputs that can be used to monitor various alarm situations.
- Compatible with almost ANY sensor.
- Built in delays to prevent spurious alarms caused by slosh when liquid monitoring.
- Rugged solid state design.
- Panel mount.
- Easy installation; simple terminal block connections.
- Additional remote sounder connection available.

#### Description & Operation

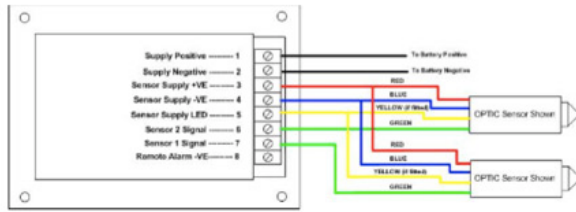
The unit can be used to monitor up to 4 independent stations. The sensors are pulsed every 20 seconds to conserve battery life and have built in delays of 3 seconds to prevent the unit being constantly triggered by the sloshing of liquids when level sensors are being monitored.

When triggered the unit will sound an alarm and an LED will light to show which sensor has caused the alarm. Pressing the silence button will stop the alarm but the LED will continue to be lit until the level has been corrected. The alarm will automatically silence within 30 seconds to conserve battery power.

#### Installation

The control unit must be mounted away from sources of excessive heat and moisture and not adjacent to any magnetic compasses. It is recommended that suitable crimps are fitted to all bared conductor ends to ensure a safe reliable contact within the terminal blocks. Connect the unit up as per the circuit shown below. An inline switch is not required unless the user would like to completely isolate the unit from the supply, as the front panel switches turn the unit on and off. If an inline fuse is fitted it should be a 1amp rating, though the unit is fitted with internal surge protection. Refer to the manufacturers operating instructions for the sensors / switches being used, the supplied diagram shows the 4 wire optic sensors connected. Ensure that all cables are carefully run and clipped into position. Avoid running cables in areas where they will be continually immersed in liquid or will be prone to abrasion.

Rear View of Unit



## Specification:

- 12 or 24V DC supply.
- Reverse polarity and transient voltage protected.
- Very low current consumption; pulsed sensor outputs reduce current use.
- Independent inputs to each station.
- Compatible with almost ANY sensor.
- Rugged solid state design.
- Panel mounting.
- Easy installation; simple terminal block connections.
- Additional Remote sounder available.
- Buzzer silence facility.

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