

SINGLE AVI (AUDIO VISUAL INDICATOR) DA240

The AVI is a self powered remote indicator to show the state of a signal line. It has a green & a red LED plus a push button to silence the internal sounder.

When the input signal is clear & acknowledged the unit is silent with both LEDs off. When the signal goes to alarm the red LED comes on & the sounder operates. There are two ways of operating the unit, 2 wire or 3 wire working.

2 wire working = LK1 fitted.

When clear the signal lines provide 12 Volts DC nominal to the AVI. This supply holds the AVI clear & recharges its internal battery. When the supply disappears the AVI sounder will operate & the red LED will come on. The sounder can be silenced by operating the push button. In 2 wire mode the internal battery is powering the LED & sounder in alarm condition. Battery capacity is sufficient for several hours operation.

3 wire working = LK1 removed.

In this mode a 12 Volts DC nominal supply is required continuously. The 3rd. wire is the input signal line. The signal line requires +12 Volts for clear. Alarm = open circuit or 0 Volts.

In this mode the 12 Volt supply provides power for the LEDs & sounder.

The AVI also has a memory option.

With memory = LK2 fitted.

In this mode if an alarm occurs for a short period & clears before the alarm is acknowledged the red LED & the sounder will continue to operate until the push button is operated.

In normal operation an alarm occurs & the red LED & sounder operate. The push button is operated momentarily & the sounder stops with the red lamp still on. When the alarm is cleared the red LED goes off & the green LED comes on plus the sounder resounds. When the push button is operated again the green LED goes off & the sounder stops.

Without memory = LK2 removed.

When an alarm occurs the red LED & sounder operate. If the alarm clears BEFORE the button is pressed the red LED & sounder go off. The green LED does not come on.

Connections:-

TS1 1 = - 12 Volts (0 Volts, negative rail)

2 = Signal input (3 wire use only)

3 = + 12 Volt supply (3 wire use only) or Signal input (2 wire use only)

4 = Tamper loop

5 = Tamper loop

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