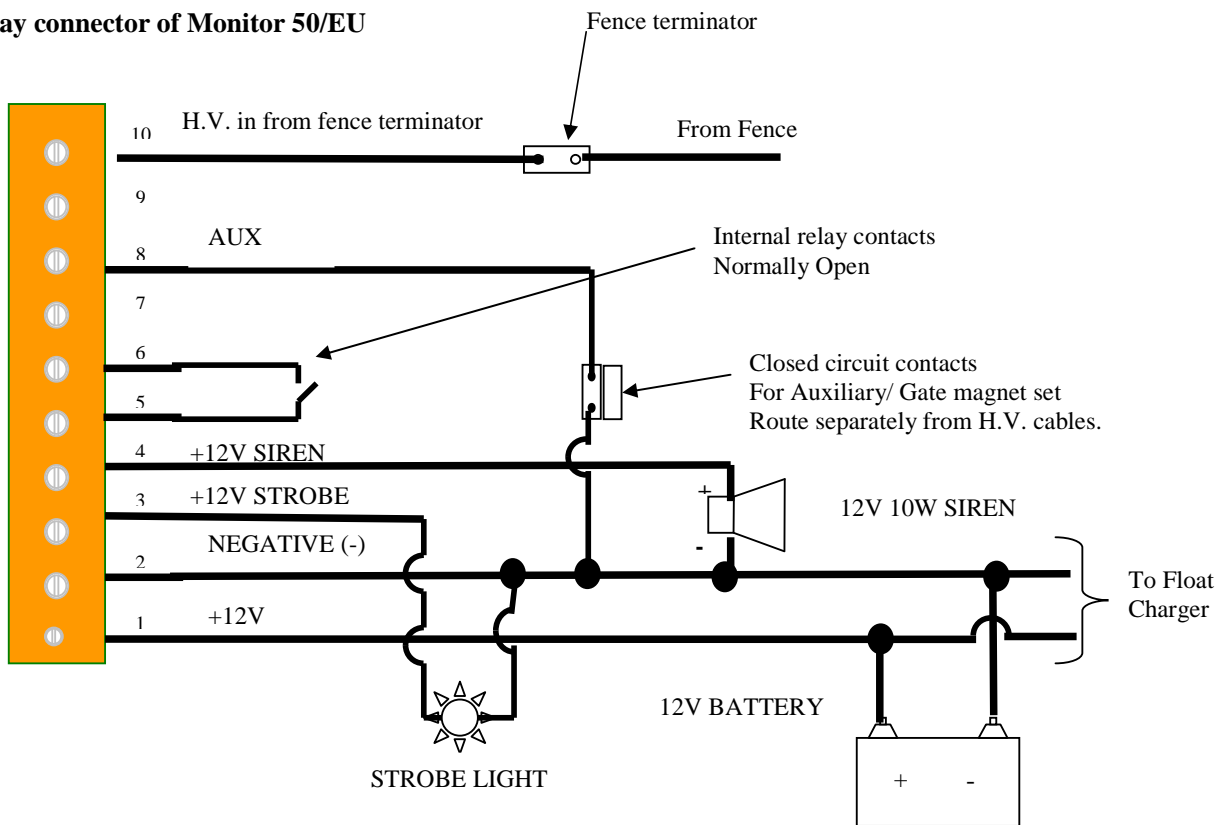


MEPS *Monitor 50/EU*

CONNECTION DIAGRAM

10 Way connector of Monitor 50/EU



MONITOR 50/EU Operator's manual.

The monitor 50/EU is used to monitor the return voltage from the electric fence. The monitor can measure high voltage return pulses of up to 15 Kilo-volts (15 000 Volts).

The MEPS Monitor 50/EU incorporates sophisticated digital design. Some of the features are as follows:

- 1: DSP Technology (Digital signal processing) An on-board micro-processor calculates the time between the high voltage pulses, and determines whether or not, to signal an alarm condition. DSP technology reduces the chance of false alarms.
- 2: OPTO-Isolation technology. The components at the high-voltage side of the Monitor 50/EU, are optically isolated from the rest of the digital, and highly sensitive components. This means that the high voltage, and low voltage areas on the printed circuit board are isolated, by making use of infra-red technology.
- 3: LED Bar graph display. 10 x 5mm. Diffused LED's are used to indicate the return power from the fence. This return power is displayed in percentage form, from 10% up to 100%. The LED's are visible from the front view, of the Monitor 50/EU.
- 4: Auxiliary function. This function can be used to connect any external device, which have a current / potential free switching contact. Thus, any door / magnetic, or even a P.I.R. such as those used together with home alarm systems can be used to trigger the siren, if connected to the system.
- 5: DRY contacts. There are two contacts provided on the Monitor 50/EU. These two contacts are current / potential free. Meaning that no voltage, or current is available at these two contacts, giving the user the opportunity to connect any external 3rd party devices to the Monitor 50/EU. I.e. Armed response, telemetry systems, etc.
- 6: Siren output. This output can drive high external loads, up to 1,5 Ampere. The output is designed for a 13,8 volt DC siren, for audible warning.
- 7: Strobe output. The Strobe output is intentionally designed for a load of 13,8 volt DC, and a current rating of up to 1,5 Amperes. Any visible flashing device can be connected to this output, provided that the current, and voltage ratings are not exceeded. The Strobe output is intended for a visual warning. The MEPS red flasher lamp can be connected to this output, to provide a bright "XENON" flash. The Strobe output is very useful for a visible caution sign, if the premises was left, and the user later returns, he/she will be able to be cautious, when entering the premises.
- 8: The module is not designed to be mounted directly onto a high voltage powered metal surface e.g. directly onto a shock box. The module should therefore be mounted in an isolated enclosure as been sold.

MONITOR 50/EU Connection diagram.

