



XP95 SOUNDER CONTROL UNIT WITH ISOLATOR

FUNCTION

The XP95 Sounder Control Unit with Isolator is used to control the operation of a zone of externally powered sounders and to report their status to Apollo compatible control equipment.

FEATURES

The Sounder Control Unit with Isolator allows sounders to be operated continuously or be pulsed, 1 second on, 1 second off. Sounders may be operated individually or in groups and, whichever address mode has been applied, may be synchronised when in pulsed operation.

An opto-coupled input is provided to monitor the state of the external power supply.

The Sounder Control Unit with Isolator is fitted with a bi-directional short-circuit isolator and will be unaffected by loop short-circuits on either loop input or output.

ELECTRICAL CONSIDERATIONS

The unit is line powered and operates at 17–28V DC. It requires a local power supply of 9–32V DC to power the external load, which may be up to 1.25A.

A polarising diode is required with each alarm device, as sounders are operated by voltage reversal, provided by a double-pole change-over relay. The sounder circuit is protected by a miniature (TR5) fuse rated at 1A.



Part no 55000-852

ADDRESSING

The XP95 Sounder Control Unit with Isolator responds to its own individual address set with a 7-segment DIL switch. It also responds both to a group address, set by means of a 4-segment DIL switch, and to a pulsed-mode synchronisation address which is embedded in the unit.

It may be desirable, in alarm conditions, to switch more than one Sounder Control Unit simultaneously. To enable this, units may be drawn together to form a group and given a group address which is common



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Schematic Diagram and Wiring Connections

