Marine DIN-Rail Sounder Controller (8 Amperes)



Product Overview

Product Type	**Marine DIN-Rail Sounder Controller (8 Amperes)**
Part No.	**55000-181MAR**
Digital Communication	**XP95, Discovery and CoreProtocol® compatible**

Approvals

Product Information

The Marine DIN-Rail Sounder Controller (8 Amperes) is used to control the operation of a zone of externally powered sounders and report their status to the fire control panel.

- Enables sounders to be operated continuously or to be pulsed, one second on, one second off
- May be synchronised when in pulsed operation
- External supply monitoring
- Will accept a load of 8 Amperes

Technical Data

All data is supplied subject to change without notice. Specifications are typical at 24V, 23°C and 50% RH unless otherwise stated.

External supply	*12 V dc to 35 V dc polarity sensitive*	
Sounder circuit voltage	*12 v dc to 35 V dc*	
Sounder circuit current (max)	*8 A at 35 V dc (resistive load)*	
Fuse	*8 A quick blow*	
Digital communication	*XP95, Discovery and CoreProtocol compatible*	
Maximum loop current consumption at 28 V		
	LED enabled	*LED disabled*
Switch on surge (max 150 mS	*3.5 mA*	*3.5 mA*
Quiescent	*1.5 mA*	*1.5 mA*
Sounders operated	*1.7 mA*	*1.7 mA*
Fault	*3.5 mA*	*1.7 mA*
Isolator reconnection voltage	*V min r/c = 18 V*	
Operating temperature	*-20°C to +70°C*	
Storage temperature	*-30°C to +80°C*	
Humidity	*0% to 95% RH (no condensation or icing)*	
Standards and approvals	*EN54-18, MED, ABS and VNIIPO*	
Material	*Polycarbonate*	
Dimensions and weight	*39 mm x 39 mm x 20 mm, 30 g*	

Operation

The device is loop powered and controlled by the fire control panel using the output bits in the communication protocol. The unit is polarity sensitive. This unit needs to be installed in a suitable enclosure (Part No. 29600-239/240) or equivalent and secured using the end stops.

If the device is installed in applications above 45°C ambient temperature, please refer to the sounder loading table that follows:

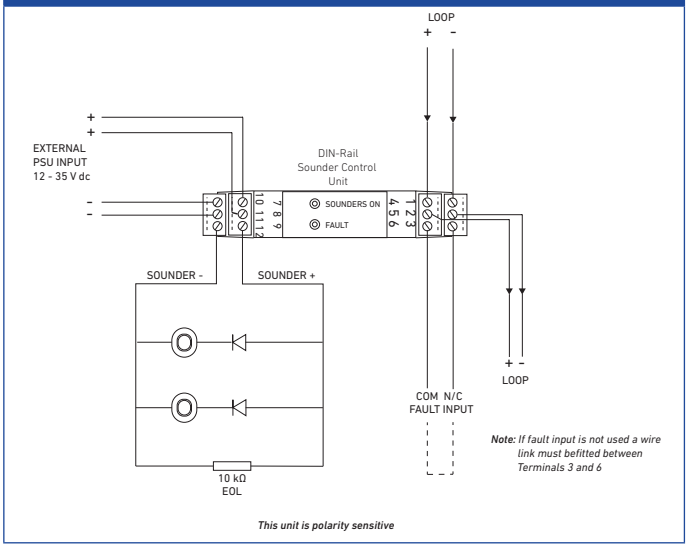
Load current (Amps)	Max Ambient temperature (°C)
8	45
7	50
6	60
5	65
Up to 4	70

Addressing

The address of the unit is set on segments 1 - 7 of the DIL switch. Segment 8 is used to disable the fault LED if it is not required or the extra loop current to illuminate it is not available.

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Marine DIN-Rail Sounder Controller - wiring diagram



EMC Directive 2014/30/EU

The Marine DIN-Rail Sounder Controller complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

A copy of the Declaration of Conformity is available from the Apollo website: www.apollo-fire.co.uk

Conformity of the Marine DIN-Rail Sounder Controller with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to it.

Marine Equipment Directive 2014/90/EU

The Marine DIN-Rail Sounder Controller complies with the essential requirements of the Marine Equipment Directive 2014/90/EU.