



Ablemail Electronics

A Division of Merlyn Electronics

Merlyn House,
Merlyn Rd,
Salford, M6 6EL
Tel: +44(0)161 745 7697
Fax: +44(0)161 737 5615
info@ablemail.co.uk
www.ablemail.co.uk

PART NUMBER : APR24-1-120S

DESCRIPTION :

The programmeable 24V automotive relay panel APR24-1-120S is a member of the flexible APR range of programmeable relay controllers . The product has a maximum of 4 inputs and 4 outputs and this version is intended to allow a user to easily configure 1 120A relay output to work in a variety of ways (Normally Open , Normally Closed , Momentary , Latched , Timed and battery guard functions enabled or disabled) .

The Electronic Relay Configuration Software has been created to allow the user to programme the device for many configurations but the microcontroller allows a bespoke programme to be created for the user to take full advantage of the various hardware and software functions available . If the standard options do not suite your requirements please do not hesitate to contact Ablemail technical

Applications - heater control /voltage sensing relay(vsr) / mains /solar / alternator feed selection

The voltage sensing levels can be programmed through the **Ablemail Software Interface (ASI)** to meet various customer requirements allowing the unit to operate as a batteryguard / load disconnect. In addition delays for relay closing and opening can be configured .

The relay panel has additional inputs which can be configured to allow external control of the relay switching on & off, The unit also has a temperature input and a current measuring input .

The serial interface can be used to interface to other ABLEMAIL products or the Vehicle Power Management System . The serial interface and powerful in built microcontroller and software allow the converter to work as the system power management controller

There are 3 mechanical arrangements a potted plastic enclosure ,an IP66 plastic enclosure and a ruggedised aluminium profile .

This product is very flexible and so please contact Ablemail Technical to discuss the various standard configurations or any specialist requirements.

ISOLATION	Isolated 500V AC
INPUT VOLTAGE	24V
OUTPUT VOLTAGE	
OUTPUT LOAD CURRENT	120A Continuous
NO LOAD INPUT CURRENT	< 4mA
PROTECTION	
OPERATING TEMPERATURE	Maximum 70°C. Minimum -30°C
STANDARDS	E11 "Waiting for Approval"
SIZE AND WEIGHT	Length: 142.50mm, Height: 44.50mm, Width: 109.50mm, 400g
CONNECTIONS	Wiring Connections: See Drawing below and installation Instructions





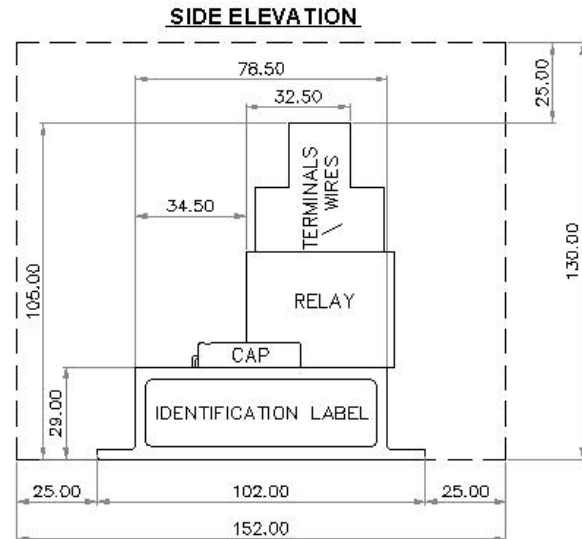
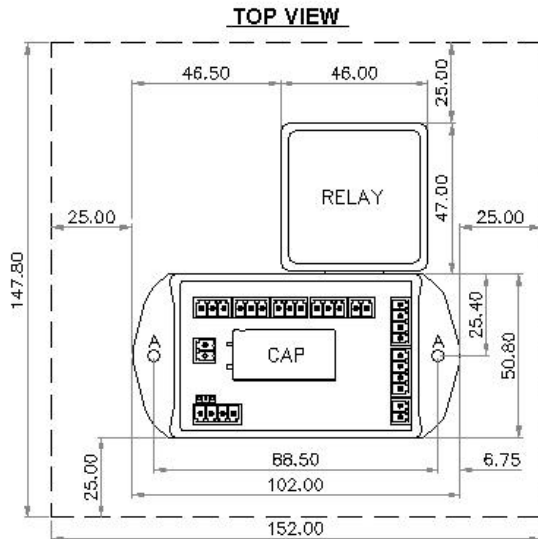
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MECHANICAL ARRANGEMENT :



NOTES:

1. 2 A HOLES:- Ø 5MM.
2. RELAY MOUNTED USING M6 FASTENERS.
3. RECOMMENDED REQUIRED INSTALLATION AREA (AS DASHED LINES).
4. DIMENSIONS IN MILLIMETRES.

MED101411

Electronic Relay Configuration Software for On Site Programming:

