



# Ablemail Electronics

A Division of Merlyn Electronics

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**PART NUMBER : APR24-2-40B**

## DESCRIPTION :

The programmeable 24V automotive relay panel APR24-2-40B 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 2 40A relay outputs 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.

<b>ISOLATION</b>	Isolated 500V AC
<b>INPUT VOLTAGE</b>	24V
<b>OUTPUT VOLTAGE</b>	
<b>OUTPUT LOAD CURRENT</b>	40A Continuous
<b>NO LOAD INPUT CURRENT</b>	< 4mA
<b>PROTECTION</b>	
<b>OPERATING TEMPERATURE</b>	Maximum 70°C. Minimum -30°C
<b>STANDARDS</b>	E11 "Waiting for Approval"
<b>SIZE AND WEIGHT</b>	Length: 142.50mm, Height: 44.50mm, Width: 109.50mm, 400g
<b>CONNECTIONS</b>	Wiring Connections: See Drawing below and installation Instructions





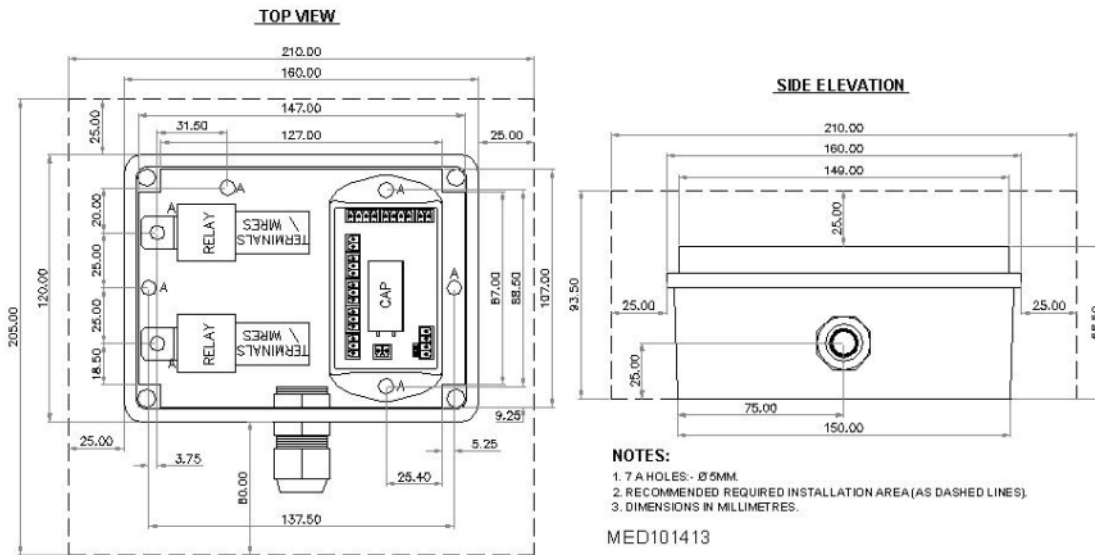
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## MECHANICAL ARRANGEMENT :



## Electronic Relay Configuration Software for On Site Programming:

