

IN5138 20020220

Door alarm - *installation instructions*

General

The 5138 timer is a door monitoring device requiring a 12v ac / dc supply and a standard magnetic door contact (n/c) for operation. There are two adjustable timers on board :

VR1 1 - 60 second door cycle timer
 VR2 1 - 20 minute alarm timer

There are two modes of operation normal and latched.

Output Options

The 5138 timer is equipped with two alarm devices, a Piezo sounder and a set of Form C SPDT relay contacts rated at 2A, 30v ac/dc for a larger siren or other alarm signalling device such as access control unit input.

This item has been classified as a 'component' and is not within the scope of the EMC directive 89/336/EEC.

Normal Mode.

When the door is opened timer one (VR1) will start. If the door is closed within this period then no alarm will occur. If the door is left open or ajar after this period then the alarm will sound for the period set on timer 2 (VR2) or until the door is closed.

Latched Mode.

On the 5138 PCB there are two pins marked 'Latching'. If these pins are linked together then latched alarm mode will be in operation. When the door is opened timer one (VR1) will start to timeout. If the door is closed within this period then no alarm will occur. If the door is not closed within this period the alarm will sound continuously (timer 2 (VR2) has no effect). Reset can only be performed by removing power and closing the door before powering up again.

Technical Information

Operating voltage	12v ac or 12v dc	
Current consumption	quiescent	alarm
@ 12v ac	5mA	67mA
@ 12v dc	3mA	42mA
Relay output rating	12v dc 1 A	
Door cycle timer	0 - 60 seconds	
Alarm timer	1 - 20 minutes	

