

A versatile Audible/Visual Alarm Point to BS5733 accepting a wide range of input triggers and selectable Audible Alarms.

MULTI-MODE ALARM POINT

Features

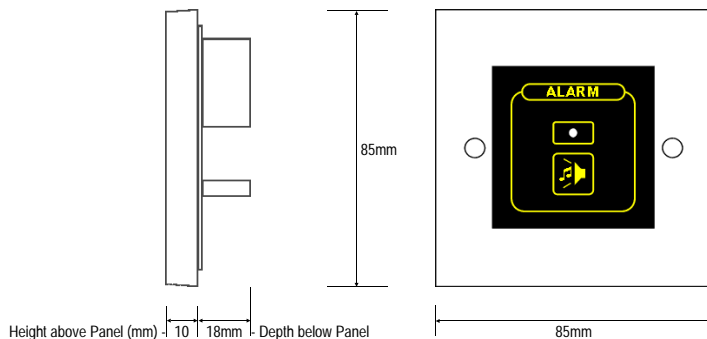
- m Multi-Mode Operation
- m Triggers on 24vAC/DC, 240vAC or 0-10v Input
- m Rising or Falling Alarm feature on 0-10v Input
- m Delay Timer
- m High Intensity LED for Visual Indication
- m User Selectable Audible Alarm with Mute
- m BS Standard Low-Profile Faceplate
- m Surface or flush mounting



SPECIFICATIONS

Type CAD-AP	Input Supply +/- 15% 24V AC/DC 18mA 230/240VAC 0.45VA	Input Triggers 24V AC/DC 240vAC 0-10v Analogue Input	Output Signals 1 x Visual High-Intensity LED 1 x Audible Piezo Sounder (multi-alarm with mute facility)	Mounting Standard Faceplate to BS5733 (screws included)	Enclosure IP00
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DIMENSIONS



OPERATING MODES

For your convenience, the CAD-AP Alarm Point can operate in one of two modes:

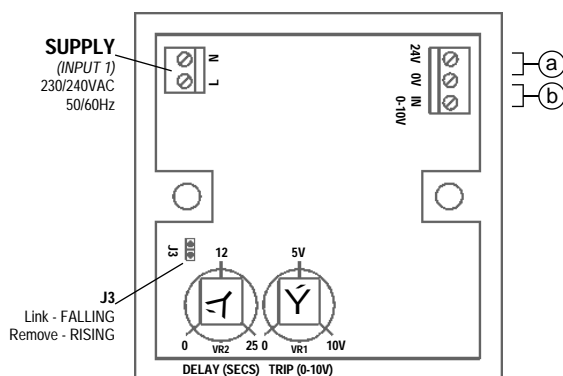


POWER MODE. The Alarm Trips (subject to the setting of the Delay Timer) once Input Power is applied. The Input Power can be provided by either the 230/240VAC Supply connector (Input 1), or by the 24V AC/DC Supply Connector (Input 2). To operate in POWER MODE, ensure link J3 is fitted, set control VR1 (TRIP 0-10V) to mid-way and ensure there is no connection to the IN pin of J2 or, the IN pin can be connected to 0V.



ANALOGUE MODE. The Alarm Trips (subject to the setting of the Delay Timer) once the Analogue 0-10V Input (Input 3) at the IN pin of J2, rises above or falls below (depending on the setting of J3) the TRIP setting of VR1. A permanent power supply (either INPUT 1 or INPUT 2 - or both) must be *constantly* provided in this case.

CONNECTION/SETUP



DELAY TIMER (0-25 Seconds)
Delays operation of Alarm (to prevent nuisance switching). Set to zero (0) for instant ON.

TRIP SET-POINT (0-10V)
Adjusts the Set-Point at which the Alarm will Trip once the Input Voltage either RISES above (J3 link removed) or FALLS below (J3 link installed).

- (a) **24V AC/DC SUPPLY.** (Input 2) If DC is used, then connect the Negative rail to 0V, and Positive to 24V Terminal. The 24V Supply can be used in place of, or simultaneously with, the 230/240VAC Supply (for fail-safe dual supply)
- (b) **INPUT (0-10V).** (Input 3) If used, connect the 0-10V Analogue Input signal between this pin and 0V. Alarm will then trip when this signal either rises above or falls below (depending on setting of J3) the pre-set TRIP Set-Point as set by VR1.

For setting the Audible Alarm Modes, see overleaf.



Audible Alarm MUTE Button

When Alarm is sounding, Press and Hold this Button until audible alarm silences. Press and Hold again to switch audible alarm back on. Whenever this Button is pressed, the RED LED will illuminate as feedback to indicate positive depression.

NOTES

Min Sensor Cable 7/0.2mm. Keep away from Power Cables or sources of interference. Screened cable is recommended to eliminate electrical interference. Terminals 0.5-2.5mm² with wire clamps. Max cable length 100m. This module is designed for either LOW VOLTAGE isolated supply connection or 230/240vAC 50/60Hz Line. If connecting to DC supply, -ve supply to 0v, +ve supply to 24v. Both supplies can be connected simultaneously. Ambient Temp -20°C/+50°C dry bulb.

For Technical Support in the first instance contact your distributor. Installation should be checked by qualified electrician before applying any voltage. Always ensure devices switches correctly at the desired temperature. If failure of device can cause damage, ensure a suitable safety backup is fitted. Observe all relevant safety precautions, regulations and electrical ratings. Observe all precautions for handling electrostatic sensitive devices. Specifications for guidance only and subject to change without notice. E&OE.

PROGRAMMING

The CAD-AP Alarm Point is factory shipped with the following default preset:

Audible Mode **2** adjustment Range 1-4

This preset can be user reprogrammed with new settings:

Ensure that Power is applied and the Alarm Point is *NOT* in Alarm Condition (LED is OFF). If using the CAD-AP Alarm Point in POWER MODE, then temporarily remove link J3 to drop the Alarm Point into Powered but Normal (not tripped/alarmed) state. If using the CAD-AP Alarm Point in ANALOGUE MODE, then similarly ensure that the unit is in a Normal (not tripped/alarmed) state, and if necessary, link or remove J3 to achieve this. **Note:** *Bear in mind any Delay Timer setting (VR2) when changing the Alarm State - it might take up to 25 seconds to enter effect depending how you've previously set the delay.*



There are FOUR possible Audible Alarm Modes. To switch into any of these modes, press and HOLD continuously the Speaker MUTE Button on the face of the unit. After at least FIVE Seconds, the unit will execute a number of Beeps. The number of Beeps sounded indicates the Audible Mode now in effect. Repeat process to toggle into each mode. Note: After Mode 4, the CAD-AP Alarm Point will rotate back to Mode 1.



Mode 1. **SILENT RUNNING MODE** (1 Beep). The internal Alarm Beeper is DISABLED.



Mode 2. **BEEP MODE** (2 Beeps). The internal Alarm Beeper is set to intermittent BEEP mode (*the shipped factory default*).



Mode 3. **CONTINUOUS MODE** (3 Beeps). On Alarm, the internal Beeper will sound continuously.



Mode 4. **CUSTOM MODE** (4 Beeps). On Alarm, the internal Beeper will execute a custom programmed audible alarm sequence. This Custom Alarm sound is optionally factory pre-programmed free of charge on orders of 100 units or greater. The standard unit plays "Yankee Doodle" as a demonstrator for Custom Mode 4.

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