

# CSC354CPR - Intelligent addressable 4 way sounder controller unit



The 4 way sounder controller unit (CSC354CPR) adds functionality to your addressable panel by powering up to 4 lines of conventional output devices.

The CSC354CPR gives access to Eaton's extensive range of conventional devices, including EN54-23 certified VADs, beacons, signboards, bells and sounders.

It is ideal in situations where there is a requirement for devices with a high current draw or where conventional sounder circuits are in a remote location away from the fire alarm control panel.

This unit only uses a single address yet each circuit can be independently controlled according to the required cause and effect programming.

## Features and benefits

- Soft addressed
- Integral short circuit isolator
- Single address
- 4 Separate sounder circuit outputs (total 1.6A max)
- Avoids the need to wire conventional sounders back to the control panel
- Outputs are independently programmable (delays on circuit 1 only)
- Integral battery and power supply
- Quick and simple to install
- No hard addressing required (Plug and play)
- Increased system integrity
- Beacons and strobes can be wired direct to the interface (saving on both time and installation)

# Specifier's guide

## 2.5 Test Equipment

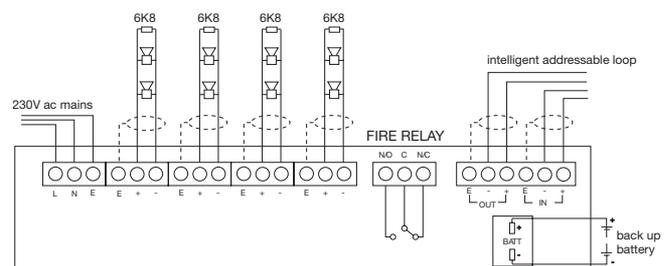
### Technical specification

<b>Code</b>	<b>CSC354CPR</b>
Description	4 way sounder controller unit
Standards	CE CPR - EN54-2, EN54-4, EN54:17
<b>Power Supply Unit</b>	
Operating Voltage	230V ac
Current	0.5A
Frequency	50Hz
Output	18.5V - 29.5V
<b>Loop</b>	
Operating Voltage	24V dc
Quiescent Current	310µA
Alarm Current	6mA
<b>Sounder Circuits (4 of)</b>	
Operating Voltage	24V
Load per Channel	0.8A
Alarm Current	1.6A
End-of-line Resistor	200Ω + Diode
<b>Short Circuit Isolation</b>	
Total Loop Resistance	50Ω
Parallel Fault Resistance	200Ω
Continuous Current Through Isolator (Ic Max)	700mA
Isolator Resistance in Closed State (Zc Max)	0.26Ω
Leakage Current into Direct Short (IL Max)	15mA
Voltage at which Isolator Changes from Open to Closed (Vsc Min & Max)	3.8V - 11V
Voltage at which Isolator Changes from Closed to Open (Vso Min & Max)	3.8V - 11V
Maximum Switching Current (Is Max)	1.5A
<b>Environmental</b>	
Operating temperature	-5°C to +45°C
Humidity (non condensing)	0 to 95% RH
<b>Physical</b>	
Construction	PC / ABS / Steel
Dimensions (H x W x D)	300mm x 300mm x 74mm
Weight	5.4kg
Ingress protection	IP30
<b>Compatibility</b>	
Suitable for use with	Eaton analogue addressable fire systems (800 series protocol PR200-07-400)

### Installation

1. The sounder controller interface requires a local unswitched 230V supply and incorporates a back up battery to maintain functionality under mains failure conditions
2. Cable entry can be top or rear
3. Top entry is via 20mm conduit entries (pre-fitted with blanking plugs for unused entries)
4. Rear entry via substantial cable slot in metal back plate
5. Top cover secured with tamper resistant screws

### Standard connections



#### NOTES:

1. Earth (Screen) cable must be connected to its adjacent earth terminal.
2. The end of line resistor must always be fitted, even if input is not used.
3. Sounder circuits are monitored for wiring open and short circuit.
4. Output fire relay is a set of changeover volt free-contacts and is not monitored.
5. This unit should only be finally connected to the 230V ac mains supply and battery, during system commissioning.

### Catalogue numbers

Description	Code
4 way sounder controller unit	CSC354CPR