SAP 1 Loop 16 Zone Addressable Sprinkler Monitoring Panel (C-TEC CAST protocol)

Part No. SAP501E/CA



Overview

- Ideal for monitoring up to 255 sprinkler flow switches.
- One CAST CA730 input output unit or CA734 mini I/O unit required per monitored flow switch.
- Utilises the same technology as C-TEC's popular XFP addressable fire panel.
- Attractive flush or surface mountable plastic enclosure.
- Combined keypad or keyswitch entry.

Technical Specifications

Protocol/compatibility	C-TEC CAST.
Mains supply	230V 50/60Hz.
Mains rated current	350mA maximum.
Internal power supply	27Vdc nominal.
Total output current limited to	1.4A @ 230Vac (Imax.A 210mA; Imin. 40mA).
Quiescent current	50mA (loop unloaded).
Max battery size and type	2 x 12V 3.2Ah VRLA connected in series.
No. of loop drivers	1.
Max. loop output current	500mA (40V max).
Max. loop length	1KM.
Max. addressable devices per loop	255.

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No. of conventional sounder circuits	2 (Max. length per circuit is 500m).
EOL resistor value	6800Ω 5% Tol. 0/25W (blue, grey, red, gold).
Max. sounder output current	400mA.
Auxiliary relays	3 x Programmable Relays (programmable from C&Es). 1 x Fault Relay (active when no faults are present). Volt free single pole changeover. Max. switch current 1A; Max. switch voltage 30Vdc.
Other outputs	24V Aux. Power (19.5V min, 28V max). Protected by a resettable fuse. Max. current 100mA.
Auxiliary inputs	2 x Programmable Inputs (programmable from C&Es). Connect to 0V to trigger, Max. input voltage 27V (non-latching).
PC connection	PC connection via RS232 molex connector (supplied in XFP507 upload/download software kit); No printer connection available.
Indicators	2 line x 40 character backlit display; 16 Zonal LEDs, General Fire; Energised; Pre-Alarm; Remote Output Activated; Remote Output Disabled; Accessed; Disablement; Test; Silenced; General Fault
Connections	Fixed, largest acceptable conductor size 1mm2.
Expansion connections	2-wire RS485 non-redundant network/repeater connection available via optional XFP761 network card. Max. 8 mains per network (Limit 1KM.) or 8 repeaters per non-networked main.
Product dimensions (mm)	380 W x 235 H x D 96mm (hole required for flush mounting = 367 W x 220 H x 75 D mm. No bezel required).
Construction & finish	Plastic lid and base; RAL7035 textured
IP Rating	IP30.
Weight	1.8kg (without batteries).
Operating conditions/temperature	-5ºC to +40ºC. Max relative humidity: 95%.

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