

# SERIES 4000ASP ANALOGUE ADDRESSABLE SPRINKLER/LIFE SAFETY CONTROL PANEL



## FEATURES

- \* 1 & 3 Addressable Loops
- \* 125 devices addresses per loop  
Programmable across loops
- \* 2 Conventional Alarm Outputs
- \* Internal Alarm Sounder
- \* 3 Programmable CHO Contacts
- \* 1 Fault CHO Contact ( Fail Safe )
- \* Back-lit LCD - 4 x 40 Characters
- \* Multi - Panel network by RS485
- \* Repeater (s) via RS485 Network
- \* Artwork Drawing for Approval
- \* Internal power supply with Standby SLA Batteries
- \* Programming via keypad
- \* Upload & Download from PC
- \* Up to 384 Device LED Indications
- \* Complies with BS EN12845 : 2015

## GENERAL DESCRIPTION

The Series 4000ASP range of Analogue Addressable Main Sprinkler/Life Safety Alarm Control Panels are designed to conform to BS EN12845 : 2015. Available in 1 & 3 Loops as standard using the meter bus protocol as used by several manufactures with various Internal Power supply ratings and Space for Standby Sealed Lead Batteries .

The panel is housed in an attractive metal enclosure with a hinged lockable door . All indications and controls together with user instructions are provided on the Front fascia . A bezel can be fitted to the back Box to enable the control panel to be Flush Mounted . Special colours or non standard finishes are available to special order .

A back-lit 4 x 40 Character LCD display provides status and programmable location of each event .

Device status LED's for Valve being Green & Yellow ( Open/Closed) . Flow Switch Status LED's can be either Green & Red ( Normal /Fire ) or Twin Red ( Fire ) . Plant Alarm Status LED's can either be Green & Yellow ( Normal / Alarm ) or Twin Yellow ( Alarm) . Any Device way can be configured for either Valve Status or Flow Switch/Plant alarm as per clients specification .

Each Device Status LED 's can be screen printed with location legends

**An Artwork drawing will be provided for approval before manufacture.**

Auxiliary contacts are provided for any Common Valve/Flow switch or Plant Alarm ( 2 sets CHO) and 3 programmable Relays ( 1 sets CHO each ) for Common Valve , Common Flow Switch & Common Plant

Local programming is achieved by the onboard keypad or via a AT keyboard socket.

Software is also available to provide uploading/downloading data from a PC via the interface connector.

## AVAILABLE OPTIONS

- \* Flush Mounting Bezel
- \* Extra Programmable Relays
- \* Special colours & finishes
- \* Repeater Panels via RS485 Network
- \* Remote Power supply & Batteries
- \* Company Name & Logo
- \* Alarm Identification Legends

## TECHNICAL SPECIFICATION

Mains Input	——	230v AC 50/60 Hz ( other voltages to order )
Nominal panel voltage	——	24v DC
Supply rating / type	——	3 Amp Constant voltage with current limit & thermal shutdown
Auxiliary 24v DC Output	——	2 off each fused ( 500 mA ) and monitored
Standby current	——	130 mA ( Main Panel -3 Loop )
Alarm current	——	150 mA ( Main Panel - 3 Loop )
Loop Current	——	440 mA maximum quiescent
External alarm sounder monitoring	——	Reverse polarity type, fully monitored for both open and short circuit End of line resistors 10K 1/4 watt
Maximum alarm load	——	4 amps , shared between 2 circuits ; 2 circuits fused @ 2 Amps
Auxiliary - Common Alarm	——	2 sets CHO rated at 3 Amps 50v DC , 1 set CHO rated at 1 Amp 50v DC
Common Valve Auxiliary	——	1 Set CHO rated at 1 Amp 50v DC
Common Flow Switch Auxiliary	——	1 Set CHO rated at 1 Amp 50v DC
Common Plant Alarm Auxiliary	——	1 Set CHO rated at 1 Amp 50v DC
Auxiliary - Common Fault	——	1 set CHO rated at 1 Amps 50v DC ( normally energised -fail safe )
Data Loop Output	——	Multi-panel network by RS485 fully redundant Loop via Plug-in Card or Fibre - Optic Cable Link via Fibre Optic Interface Board
Remote Outputs	——	MPX and Optional BMS output ( RS-232 )
Construction	——	18 gauge sheet steel , Epoxy powder coated semi-gloss Grey - White with hinged lockable door and Blue screen printed lettering
Cable entry	——	Top entry with 20 mm diameter knockouts
Standby battery space	——	Accepts up to 2 off 12v 12 Amp/hr (01 Enclosure) or 18 Amp/hr (02 & 03 Enclosures ) Sealed Lead Acid Batteries

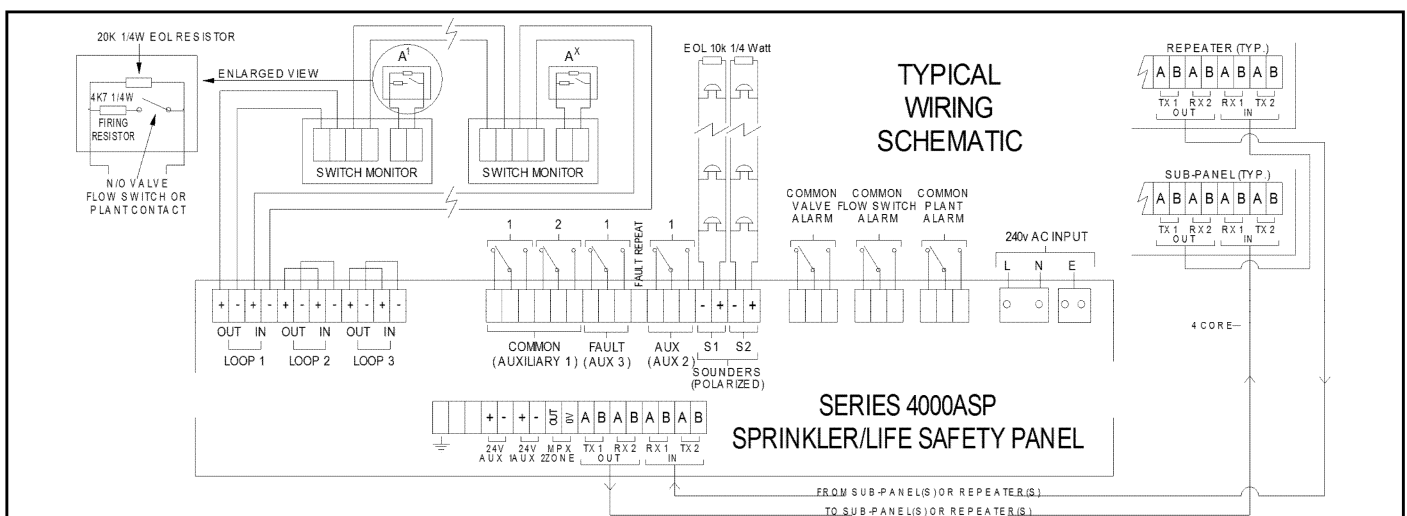
### ENCLOSURE SIZES AND WEIGHTS (less standby batteries)

LOOPS/DEVICES	WIDTH	HEIGHT	DEPTH	ENCLOSURE REF	WEIGHT
1 or 3 Loops / 64 devices	500 mm	400 mm	150 mm	01	15.0 Kg
3 Loops / 128 devices	500 mm	650 mm	150 mm	02	20.0 Kg
3 Loops / 192 devices	700 mm	650 mm	150 mm	03	30.00 Kg
3 Loops / 288 devices	700 mm	650 mm	150 mm	03	35.00 Kg

### ORDER CODE DETAILS

**1 / 64 / 40 01 / ASP ( Typical Code )**

**Number of Loops / Number of Device LED's / 40 Enclosure Ref / ASP**



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