

# SERIES 6000SP - SPRINKLER MONITORING PANEL



## FEATURES

- \* Low standby power consumption
- \* Auxiliary contacts for Valve, Fire & Plant Alarms
- \* Fault auxiliary contact (failsafe)
- \* Alarm auxiliary isolate switch
- \* Monitored alarm Output
- \* Internal Alarm/Fault buzzer
- \* Opto-Isolated channel Outputs per input
- \* Removeable Legend labels
- \* Layout drawing for approval
- \* Internal power supply with space for Standby SLA batteries
- \* Complies with BS EN 12845: 2015 and BS EN 61010-1:2010

## GENERAL DESCRIPTION

The Series 6000SP range of Sprinkler/Life Safety Alarm Control Panels are designed to conform to BS EN 61010-1:2010 and are suitable for use on systems to comply with BS EN 12845 :2015

Available in a standard range from 8 to 88 monitored input ways each with internal power supply and space for Sealed Lead acid Batteries .

The panels are housed in an attractive metal enclosure with all user controls and indications located on the front fascia together with clear operating instructions . A bezel can be fitted to the back Box to enable the control panel to be flush mounted .

The Series 6000SP Sprinkler Alarm panels provide continuous monitoring of the Status of any Sprinkler Valve / Flow Switch or any other Plant alarm via a End of Line monitoring Resistor. Each input way can be set for either N/O or N/C switches via Internal Selector switches

Front panel Status LED's for Valves being Green & Yellow ( for Normal/ Tamper) whilst for Flow/Pressure Switches Twin Red and for Plant Twin Yellow. Each input way is also provided with a Line Fault Yellow LED .

Any Alarm Way can be configured for either Valve Status or Flow/Pressure Switch or Plant alarm as per Clients specification . Location legends labels are provided and are removable.

**An Layout drawing with Location Legends will be provided for approval before manufacture .**

Auxiliary Contacts are provided for Common Alarm ( any Valve, Fire/Pressure or Plant), Common Valve Alarm , Common Flow/Pressure Switch and Common Plant alarm . These operation of these output relays are configured via Jumpers located on the Input Motherboards. A Common System Fault auxiliary is also provided .

Each Auxiliary output can be configured for either N/O or N/C via jumper links. Opto-isolated outputs are also provided for each input way and be either configured for isolated , Switched +VE or Switched -VE via Jumper links.

Ample cable entries are located at the top of the Enclosure. On the Larger Panels removable internal chassis plates are provided.

## AVAILABLE OPTIONS

- \* Flush Mounting Bezel
- \* Individual Relay Outputs per way
- \* Special colours & finishes

## TECHNICAL SPECIFICATION

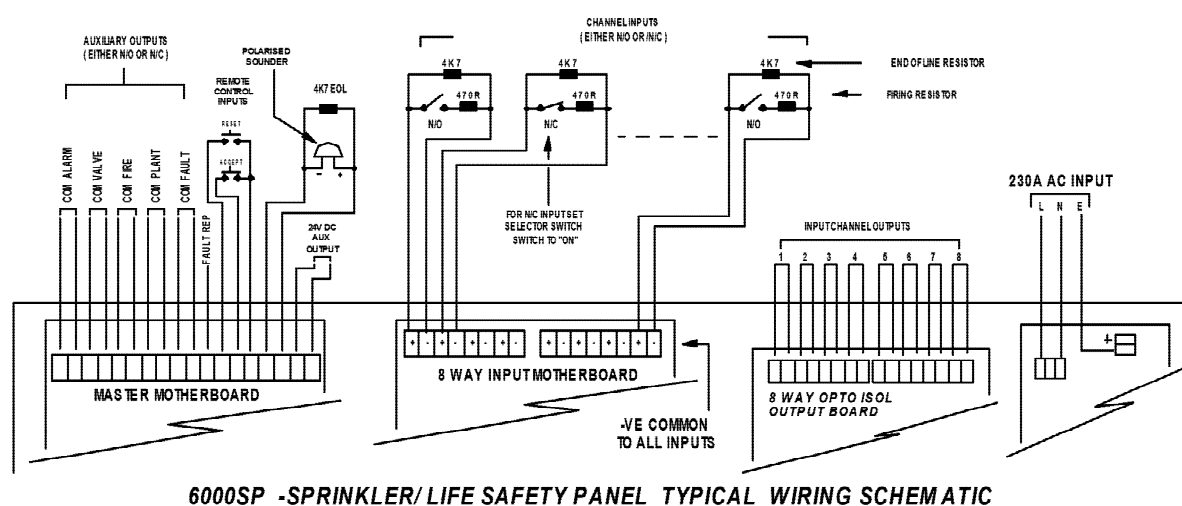
Mains Input	————	230v AC 50/60 Hz ( other voltages to order )
Nominal panel voltage	————	24v DC
Supply rating / type	————	1.25 Amp or 3 Amp (depending upon number of input ways) Constant voltage with current Limit & thermal shutdown
Auxiliary 24v DC Output	————	250 m Amp Thermal fuse and monitored
Number of Monitored Inputs	————	In the Range from 8 to 88 input ways in multiples of 8
Standby current	————	4 mA per way , 30 mA Common functions
Alarm current	————	15 mA per way ( in alarm ) , 60 mA Common functions
Monitoring End of Line	————	4K7 (nominal ) to 6K8 1/4 watt
Alarm Trip Resistor	————	470 to 680 ohms 1/4 watt
Alarm monitoring	————	Both open and short circuit with Line fault LED's per input
Maximum External alarm Output	————	.250mAmps with thermal fuse - monitored for both O/C & S/C
Common Valve/Flow Switch/Plant auxiliary	————	1 set either N/O or N/C rated at 1 Amp 50v DC
Common Valve auxiliary	————	1 set either N/O or N/C rated at 1 Amp 50v DC
Common Flow Switch auxiliary	————	1 set either N/O or N/C rated at 1 Amp 50v DC
Common Plant auxiliary	————	1 set either N/O or N/C rated at 1 Amp 50v DC
Fault auxiliary	————	1 set either N/O or N/C rated at 1 Amp 50v DC ( Fail Safe )
Repeat Output per way	————	Opto-Isolated type, rated at 25m Amp @ 50v
Common fault repeat	————	Switched positive 50 mA 24v DC
Remote control inputs	————	Alarm Accept & System Reset
Construction	————	18 / 16 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	————	Will accept up to 2 off 12v 7 amp/hr or 12 amp/hr sealed lead acid

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

NUMBER OF ZONES	WIDTH	HEIGHT	DEPTH	ENCLOSURE REF	WEIGHT
Up to 16 Ways	405 mm	300 mm	125 mm	00	7.0 Kg
Up to 24 Ways	500 mm	400 mm	150 mm	01	12.0 Kg
Up to 88 Ways	500 mm	650 mm	150 mm	02	17.0 Kg

### BASIC ORDER CODE DETAILS

No. of Ways / 60 Enclosure Ref /SP ( i.e. 16/6000/SP - 16 ways ; 32/6002/SP - 32 ways )



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