

SIGMA ZSi

Extinguishant Status Indicators

Features

- ▶ Remote indication of control panel status
- ▶ Countdown timer shows seconds until discharge
- ▶ Optional mode select keyswitch
- ▶ Optional dual action manual release
- ▶ Monitored Auto/Manual door interlock input
- ▶ Monitored Hold input
- ▶ Monitored RS485 data connection
- ▶ Weather IP65 versions available
- ▶ Certified compliant with BS EN12094-1 when used with Sigma ZXT control equipment.



Description

Sigma ZSi Status units are designed to provide status indications and limited controls remotely from the ZXT extinguishing control panels. These can be located at additional access and egress points to the risk area.

High brightness LEDs show the current status of the extinguishing system, along with a seven segment LED display notifying countdown to release.

10 LED status indicators provide additional Zonal fire LEDs, common fault LED and local warning buzzer.

ZSi status indicators are available with the following limited control functionality:

Auto/Manual keyswitch

Enables the extinguishing activation mode to be switched between Auto/Manual and Manual only.

Manual Release

Protected pushbutton which manually activates the gas release sequence. Dual action operation prevents accidental operation.

Status units communicate with the ZXT across a monitored 2 wire RS485 data bus. Each Status unit requires a 24V DC supply, a maximum of two status units can be powered from the Sigma ZXT's Auxilliary 24V DC output.

A monitored auto/manual input is provided within the status unit for connection of door interlocks allowing automatic mode changeover when door to the risk area is opened.

A monitored input is also provided for connection of emergency hold buttons, which when activated can temporarily stop the extinguishing release process until the area has been evacuated.

Weatherproof IP65 versions of the Sigma ZSi status indicator are also available for outdoor applications.

Product Range Examples



Model No. K921113M8
10 Lamp, Extinguishant Release,
Mode Select



Model No. K921110M8
6 Lamp, Extinguishant Release,
Mode Select



Model No. K921010M8
6 Lamp, Extinguishant Release



Model No. K921100M8
6 Lamp, Mode Select



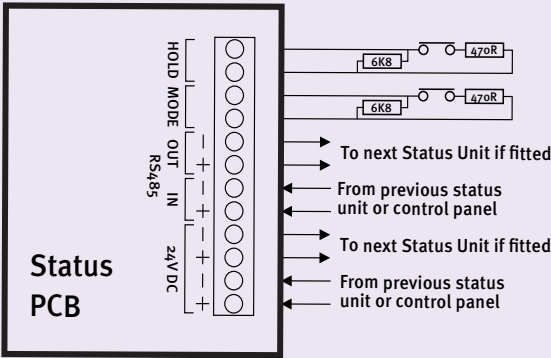
Model No. K921000M8
6 Lamp



Model No. W921113W8
Weatherproof, 10 Lamp, Extinguishant Release,
Mode Select

Specification	
Construction	1.2mm mild sheet steel
IP rating (Standard unit)	IP30
IP rating (Weatherproof unit)	IP65
Colour - lid & box	BS 00 A 05 grey - fine texture
Weight	1kg (all units)
Power supply	21 to 30 V DC
Maximum current draw	0.07A
Max. number of status units	7
Quiescent current	0.033A
Cable capacity	2.5mm ² per terminal
Monitored inputs end of line resistor	6K8 0.5W Resistor
Monitored inputs normal threshold	8K ohm to 1K ohm
Monitored inputs trigger threshold	700 ohms to 100 ohms
Monitored inputs	99 ohms to 0 ohms
Short circuit threshold data connection	Two wire RS485 connection (max 1200 metres)
Operating temperature range	-15°C to +35°C

Connection Diagram



Equipment		
Product Code	Description	Size
K921000M8	6 lamp status unit surface	190 x 136 x 50
K921100M8	6 lamp status unit with mode select keyswitch surface	190 x 136 x 50
K921010M8	6 lamp status unit with manual release surface	190 x 136 x 50
K921110M8	6 lamp status unit with mode select keyswitch and manual release surface	190 x 136 x 50
K921113M8*	10 lamp status unit with mode select keyswitch and manual release surface	190 x 136 x 50
W921000W8	Weatherproof 6 Lamp Status Unit	256 x 170 x 60
W921100W8	Weatherproof 6 Lamp Status Unit with Mode Select	256 x 170 x 60
W921110W8	Weatherproof 6 Lamp Status Unit with Mode Select & Manual Release	256 x 170 x 60
W921113W8*	Weatherproof 10 Lamp Status Unit with Buzzer, Mode Select & Manual Release	256 x 170 x 60

*Not suitable for Sigma XT+, Syncro XT+, Sigma XT+ and ECU products