

## Multi-Area, Addressable Extinguishant Control Panels

### Product Overview

- Syncro XT+ control panels are multi-area extinguishant control panels complying with EN12094-1.
- Up to 16 zones of addressable detection over 1 or 2 loops ensure every detector is able to contribute to extinguishant release. Up to 4 extinguishant areas are available. Stand alone extinguishant control units are also available with 2 monitored inputs to receive initiating signals from remote fire detection control panels or addressable modules.
- Each extinguishant area has a comprehensive set of inputs and outputs and is configurable via a simple programming interface. All extinguishant areas may have up to 7, serially connected Sigma Si status indication and control units or ancillary relay boards connected via a simple 4 core cable.
- For compatible status units see Sigma Si data sheet DS41 (page 70-71).

### Features

- Complies with EN12094-1
- 16 detection zones
- Up to 4 extinguishant areas
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- First and second stage sounder outputs for each area
- First and second stage volt free changeover contacts for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Programmable output duration
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input
- Monitored remote hold input
- Monitored remote mode select (door interlock) input
- Monitored remote released pressure switch input
- Monitored Abort input
- Serial connections for Sigma Si status units and ancillary boards. (K588)



Model No. #32162M3

# Specification

## Panels

### Product Code Loop Areas Size (mm)

Product Code	Loop Areas	Size (mm)
#31161M3	1	1 385 x 520 x 110
#32161M3	2	1 385 x 520 x 110
#31162M3	1	2 385 x 520 x 110
#32162M3	2	2 385 x 520 x 110
#31163M4	1	3 385 x 700 x 145
#32163M4	2	3 385 x 700 x 145
#31164M4	1	4 385 x 700 x 145
#32164M4	2	4 385 x 700 x 145

'#' - replace with:

'A' for Apollo protocol,

'H' for Hochiki protocol

'V' for Argus Vega protocol

## Technical

### Construction

#### IP Rating

#### Finish

#### Colour - lid & box

#### Colour - controls plate & labels

#### Mains supply

#### Mains supply fuse

#### Power supply rating (1 & 2 area units)

#### Power supply rating (3 & 4 area units)

#### Maximum ripple current

#### Battery charge voltage

#### Battery charge current

#### Battery fuse

#### Current draw in mains fail condition

#### Max. current draw from batteries

#### Sigma XT+ module Aux 24V output

#### Synco AS Aux 24V output

#### 1st and 2nd stage Sounder outputs

#### Fault relay contact rating

#### Fire relay contact rating

#### Local fire relay contact rating

#### First stage contact rating

#### Second stage contact rating

#### Extract contact rating

#### Terminal capacity

#### Number of sounders per circuit

#### Monitored input end of line

#### Sounder circuit end of line

#### Extinguishant output end of line

#### Number of detection loops

#### Number of zones

#### No. of sounder circuits

#### Extinguishant release output

#### Extinguishant release delay

#### Extinguishant release duration

#### SIL, AL, FLT, RST inputs

#### Cabling

#### Monitored inputs normal threshold

#### Monitored inputs alarm threshold

#### Monitored inputs Short circuit threshold

#### Status unit/Ancillary board connection

#### Status unit power output

- 1.2mm mild sheet steel
- IP30
- Epoxy powder coated
- BS 00 A 05 grey - fine texture
- RAL 7047 light grey - satin
- 230V AC, 50Hz +10% - 15% (100 Watts maximum)
- 1.6 Amp ( F1.6A L250V)
- 3 Amps total including battery charge 28V +/- 2V
- 4 Amps including battery charge 28V +/- 2V
- 200 millivolts
- 27.6VDC nominal (temperature compensated)
- 0.7A maximum
- 20mm, 3.15A glass
- 54 milliamps per extinguishing module
- 3A (#31161M3, #32161M3, #31162M3, #32162M3)
- 5.25A (#31163M4, #32163M4, #31164M4, #32164M4)
- Fused at 500mA with electronic fuse - 1 per extinguishant area
- Fused at 2.5A - not available to user
- 21 to 28V DC Fused at 1A with electronic fuse
- 5 to 30VDC 1A Amp maximum for each
- 5 to 30VDC 1A Amp maximum for each
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- 5 to 30VDC 1A Amp maximum for each
- 5 to 30VDC 1A Amp maximum for each
- 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup> solid or stranded wire
- Dependent on type and current consumption - typically 20+
- 6K8 +/- 5% ½ Watt resistor
- 10K +/- 5% ¼ Watt resistor
- 1N4004 Diode
- 1 or 2
- 16
- Dependent on model 21 to 28V DC
- 21 to 28V DC. Fused at 1 Amp
- Adjustable 0 to 60 seconds (+/- 10%)
- Adjustable 60 to 300 seconds
- Switched -ve, min resistance 0 ohms, max resistance 100 Ohms
- FP200 or equivalent (max capacitance 1uF max inductance 1 mH)
- 10K ohm to 2K ohm
- 2K ohms to 150 ohms +/- 5%
- 140 ohms to 0 ohms +/- 5%
- Two wire RS485 connection (EIA-485 specification)
- 21 to 28V DC. Fused at 500mA with electronic fuse