

Sigma XT+

Extinguishant Coincidence Unit

Features

- Approved to EN12094-1, EN54-2 and EN54-4
- Dual extinguishant outputs
- First and second stage sounder outputs
- First and second stage relay contacts
- Main reserve facility
- Serial connection to status units
- Discharge countdown time indicator

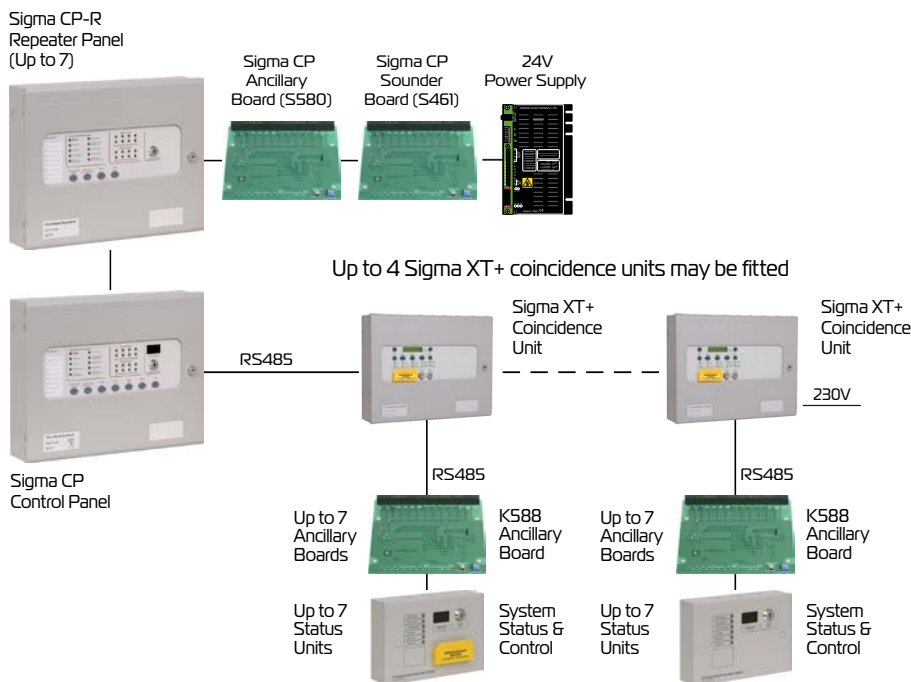
Product Overview

- The Sigma XT+ ECU coincidence unit has two fully monitored inputs for connection to fire detection control equipment or addressable control modules to provide an EN12094-1, EN54-2 and EN54-4 compliant extinguishant control system.
- Its many programmable features and extensive range of inputs and outputs make the Sigma XT+ ECU coincidence unit suitable for all extinguishing applications where a fully featured control device is required.
- Among the many features of the Sigma XT+ ECU are serially connected status units for reduced wiring and reduced installation cost, dual extinguishant outputs that may be configured for main/reserve applications and a countdown timer which displays the time until discharge of the extinguishant in seconds.
- All units are independently configurable via a simple, code based programming interface to suit the desired application.

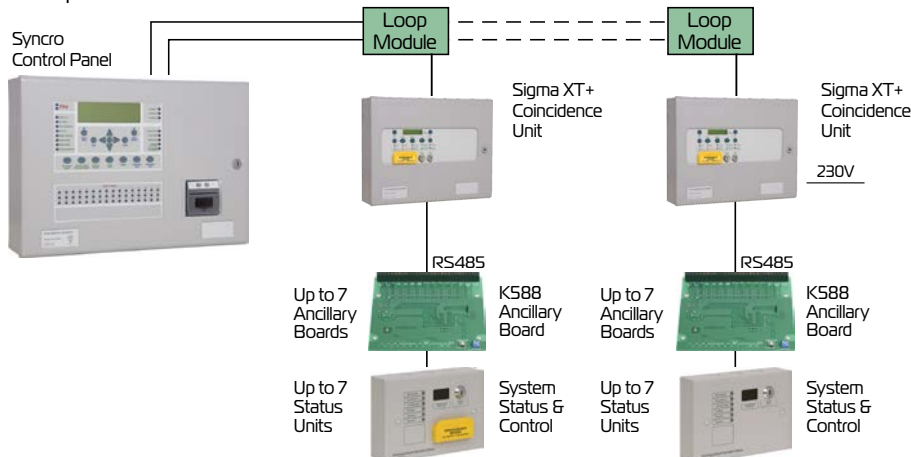


Model No. K2100IM2

Example Schematic 1



Example Schematic 2



Technical

| | | | |
|--|---|---|---|
| Product Code | - K21001M2 | Local fire relay contact rating | - 5 to 30VDC 1A Amp maximum for each |
| Size | - 385mm(W) x 310mm(H) x 110mm(D) | First stage contact rating | - 5 to 30VDC 1A Amp maximum for each |
| Construction | - 1.2mm mild sheet steel | Second stage contact rating | - 5 to 30VDC 1A Amp maximum for each |
| IP Rating | - IP30 | Extract contact rating | - 5 to 30VDC 1A Amp maximum for each |
| Finish | - Epoxy powder coated | Zone quiescent current | - 0mA minimum, 2mA maximum |
| Colour - lid & box | - BS 00 A 05 grey - fine texture | Terminal capacity | - 0.5mm ² to 2.5mm ² solid or stranded wire |
| Colour - controls plate & labels | - RAL 7047 light grey - satin | Number of sounders per circuit | - Dependent on type and current consumption |
| Weight | - 7kg | Monitored input end of line | - 6K8 +/- 5% 1/2 Watt resistor |
| Areas | - 1 | Sounder circuit end of line | - 10K +/- 5% 1/4 Watt resistor |
| Mains supply | - 230V AC, 50Hz +10% - 15% (100 Watts max.) | Extinguishant output end of line | - 1N4004 Diode |
| Mains supply fuse | - 1.6 Amp (F1.6A L250V) | Extinguishant release output | - 21 to 28V DC. Fused at 1 Amp |
| Power supply rating | - 5.25 Amps total including battery charge 28V +/- 2V | Extinguishant release delay | - Adjustable 0 to 60 seconds (+/- 10%) |
| Maximum ripple current | - 200 millivolts | Extinguishant release duration | - Adjustable 60 to 300 seconds |
| Battery type (Yuasa NP) | - 12 Volt sealed lead acid in series | Monitored inputs normal threshold | - (Allowable EOL) 10K ohm to 2K ohm |
| Maximum Battery Capacity within Enclosure | - Yuasa 7Ah | Monitored inputs alarm threshold | - 2K ohms to 150 ohms +/- 5% |
| Battery charge voltage | - 27.6VDC nominal (temperature compensated) | Monitored inputs Short circuit threshold | - 140 ohms to 0 ohms +/- 5% |
| Battery charge current | - 0.7A maximum | Status unit/Ancillary board connection | - Two wire RS485 connection (EIA-485 specification) |
| Battery fuse | - 20mm, 3.15A glass | Status unit power output | - 21 to 28V DC, Fused at 500mA with electronic fuse |
| Current draw in mains fail condition | - 54 milliamps | | |
| Maximum current draw from batteries | - 4 Amps | | |
| Aux 24V output | - Fused at 500mA with electronic fuse | | |
| 1st and 2nd stage Sounder outputs | - 21 to 28V DC Fused at 1A with electronic fuse | | |
| Fault relay contact rating | - 5 to 30VDC 1A Amp maximum for each | | |
| Fire relay contact rating | - 5 to 30VDC 1A Amp maximum for each | | |