

# SURVEYOR FCP 7003-1DK

## EXTINGUISHANT RELEASE CONTROL PANEL



A tried and tested Extinguishant Release Control Panel, using the latest techniques in microprocessor control, giving proven reliability, increased features and ease of installation.

Not only has the control panel been designed to meet the current requirements of BS 7273 Part 1 1990 for extinguishing Systems, but also to those of BS 5839 Part 1 & 4 1988, Fire Detection and Alarm Systems for Buildings.

It is doubtful if there is another extinguishant control panel as simple to install as the Surveyor, with maintenance also made easy by mounting all the electronics on just one circuit board.

All controls are discreetly and securely locked away to help prevent vandalism and misuse.

Two detection zones are provided for the extinguishant release, with a third "peripheral" zone which can be dedicated to the normal building alarm.

All major external detection, audible warning and switching functions controls are all monitored for both open or short circuit faults.

Accessories are available for Remote Auto/Manual Lock Off, State Indication and Extinguishant Release.

## PRODUCT FEATURES

- Microprocessor Controlled
- Two Coincidence Zones plus one Peripheral Zone
- All external wiring monitored for short and open circuits
- One Man "Engineers Test"
- Designed to BS 5839 1988 Part 1 & 4 and BS 7273 Part 1 1990

## Fire Detection

- 2x extinguishant detection zones, monitored for open and closed circuit
- 1x peripheral detection zone, monitored for open and closed circuit
- 3 sets of repeater "Fire" outputs
- Common repeater output, Fire and Fault
- Suitable for current Nittan, Hakuto and Apollo smoke detectors
- One man "Engineers Test" switch, integral

## Alarm Output

- Common sounder output, monitored open and closed circuit.
- 1st stage, alarm output, monitored open and closed circuit.
- 2nd stage, alarm output, monitored open and closed circuit.
- Common alarm relay c/o rated at 1 amp.
- 2 x 1st stage relay c/o rated at 1 amp with isolate switch.
- 2 x 2nd stage relay c/o rated at 1 amp with isolate switch.

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## Extinguishant Release

- Extinguishant release output monitored for open and closed circuit.
- Maximum 4 metron actuators or 2 amp solenoid load.
- Remotely switched Auto/Manual mode input, lines monitored for open and closed circuit.
- Extinguishant state outputs; Auto/Manual, Hold Off, Release Imminent, Released.
- Remote manual release input, monitored for open and closed circuit.
- Remote Extinguishant Release "hold off" input monitored for open and closed circuit.
- Pressure switch input, monitored for open and closed circuit.
- Pressure switch input, monitored for open and closed circuit.

Extinguishant release time delay, adjustable in 5 second steps to 45 seconds.

Pressure switch options:

- a) to indicate extinguishant released, or
- b) to give 2nd stage alarm if extinguishant is released by remote system.

Pressure switch indication:

- a) Monitors extinguishant released or low pressure, or
- b) Indicates extinguishant voltage applied (old non B.S. systems).

Halon release on one zone only (single knock) optional extra.

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## Front Panel Indications and Controls

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|---|---|--------------------------------------|
| ■ Indications (LEDs)                          | ■ Common Fire   | ■ 3 x Fire Fault                     |
| ■ 3 x Fire Zone Fault                         | ■ Release Imminent  | ■ Extinguishant Released             |
| ■ Extinguishant Hold Off                      | ■ Extinguishant Automatic Mode                                | ■ Extinguishant Manual Mode          |
| ■ Stage 1 and 2 Auxiliary Relay isolated      | ■ Supply Healthy  | ■ Common System Fault                |
| ■ Zone Isolated                               | ■ Extinguishant Circuit Fault o/c and s/c                     | ■ Pressure Switch fault o/c and s/c  |
| ■ Manual Release Fault o/c and s/c            | ■ Auto/Manual Fault o/c and s/c                               | ■ Stage 1 Sounder Fault o/c and s/c  |
| ■ Stage 2 Sounder in o/c and s/c              | ■ Common Sounder Fault o/c and s/c                            | ■ Auto Reset Warning (ARW)           |
| ■ Mains Fail                                  | ■ Battery Fault   | ■ Voltage Fault                      |
| ■ Earth Fault                                 | ■ Hold Off Fault o/c and s/c (internal)                       | ■ Engineer Tests Selected (internal) |
| ■ ARW Fault Counter (internal) optional extra | ■ Any fault indicates common System Fault and specific fault. |                                      |

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## Controls

- All controls accessible by key only (except manual release where fitted)

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## Panel Facia

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|-------------------|-------------------------|--|
| ■ Stop Alarms     | ■ Sound Alarms          | ■ System Reset and Lamp                |
| ■ Test            | ■ Silence Tone          | ■ Stage 1 Isolate                      |
| ■ Stage 2 Isolate | ■ Automatic Mode Select | ■ Manual Mode Select                   |
| ■ Hold Off        | ■ Extinguishant Manual  | ■ Release with cover (optional extra). |

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## Internal

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|--|----------------------|--|
| ■ Individual Zone Isolate DIP              | ■ Engineers Test     | ■ Low Battery Isolation                          |
| ■ Start Up                                 | ■ Fault Latch Link   | ■ Extinguishant Delay Time                       |
| ■ Switch                                   | ■ Tone Buzzer Volume | ■ Peripheral Zone, Latching or Non-Latching Mode |
| ■ Peripheral Zone, Selected Short as Fire. |                      |  |

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## Additional Data

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| ■ Enclosure Finish: Light Grey                    | ■ Colour Match reference: BS4800, 1982             |
| ■ 18B17 Blue Mink, Smooth textured powder coat    | ■ 16swg mild steel, 20mm knockouts and rear entry  |
| ■ Flush Kit available                             | ■ Space for 7ah 24 volt sealed lead acid batteries |
| ■ integral 3 amp power supply for S.L.A batteries | ■ Standby Current: 110mA                           |
| ■ Dimensions: 444W x 376H x 85D                   |  |