FIRE & EXTINGUISHING CONTROL – COMBINATION PANELS
3 ZONE FIRE/EXTINGUISHING PANEL

3 ZONE FIRE & EXTINGUISHING CONTROL PANEL

FEATURES

- Time and date-stamped event log and improved diagnostics
- Software extraction tool for downloading configuration and event logs
- Large countdown timer on LCD screen
- User-friendly graphical LCD provides clear status indication and programming routines
- Multiple languages
- Passcode replaces physical key for Level 2 access (optional key switch can be fitted if a key is preferred).
- Company logo can be displayed on LCD during normal conditions
- RS485 for Remote Status Indicators
- Approved to EN 12094-1
- Approved to EN 54 Parts 2, 4 & 13
- 3-Year Warranty

DESCRIPTION

The TC3000 Extinguishing System detects a fire in the same manner as a fire alarm system, but in addition to sounding alarms, it also controls the release of an extinguishing agent.

The fire is extinguished when the agent reduces the oxygen density in the atmosphere around the fire. The extinguishing agent can take many forms, from CO_2 to specialist gasses developed solely for extinguishing purposes, eg. the Stat-X® aerosol suppression range.

The TC3001 has unique features, including a large LCD graphical display and keypad. The control panel has three detection zones, time and date-stamped log, advanced cause-and-effect, and extensive I/O.

To avoid false discharges, the panel can utilise coincidence detection or double-knock, requiring the activation of a fire detector in two separate zones before activating a gas release.

Optional accessories include networked Remote Status Panels, Hold or Abort pushbuttons and Active EOL units – making it one of the most advanced solutions available.

The TC3000 Extinguishing System is used primarily in areas of significant value or strategic importance to businesses, eg. computer suites, and telecom switchrooms, thus providing a cost-effective solution to protect your workplace.

TECHNOSWITCH
FIRE DETECTION & SUPPRESSION

SPECIFICATIONS

Base Technology	Flash-based processor
Display	Backlit 128 × 64 LCD
Remote Status Indicators	Supported via RS485 (7 max)
Controls	Alphanumeric Keypad, Navigation Keys and System Keys for Reset, Mute, Silence/Resound and Sound Alarms
Number of Conventional Detection Zones	3× Conventional detection zones (incl. support for IS barrier)
Extinguishing Zones	1× Flooding/Extinguishing Zone – Support for both solenoid- and metron-type actuators
Onboard Sounder Circuits	3× 1 A, 18-28 V DC
Onboard Relays	4×1 A, 30 V DC relay outputs (Fire, Fault & 2× programmable)
Auxiliary Supply	2× 500 mA aux supply outputs 18-28 V DC (1× switched)
Programmable Outputs	Support for eight additional programmable outputs via TCP-EXP008
Switch Inputs	4× programmable, 1× manual trigger, 6× release (Mode Select, Valve Monitor, Pressure Monitor, Hold, Abort, Flow)
Countdown Timer	On-board, large digit
Mains Supply	3 A universal switch mode PSU
Battery Capacity	24 V 7 Ah
Charger Current	1 A
USB Ports	1× USB port for PC connection
Event Log	100 fire/trigger events, 500 general log events
Enclosure, Colour	Steel IP30, grey RAL7035
Cable Entry	17 knockouts in enclosure top, 13 in enclosure back
Weight	6 kg
Size H x W x D	330 × 400 × 95 mm

ORDERING INFORMATION

Product Code	Product Description
AE-TC3001	3 Zone Fire/Extinguishing Panel (EN Approved)
AE-TC3001-F	3 Zone Fire/Extinguishing Panel, *French* (EN Approved)
AE-TC3020	Remote Status Panel c/w LCD & LED Indicators
AE-TC3031	Remote Status Panel c/w LCD, MCP & Key Switch
AE-TC3001-MCP	Spare Manual Release Cover for TC3001
AE-TCP-EXP008	8-Way Relay Card for TC3001
ENC-UNIV-W	Weatherproof Housing for TC3001/4000/5000
ENC-TC3020-W	Weatherproof Housing for TC3020

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