



# FIRE & EXTINGUISHING CONTROL – COMBINATION PANELS

## 3 ZONE COMBINATION PANEL



**TC3001**  
**3 ZONE FIRE & EXTINGUISHING**  
**CONTROL PANEL**

### DESCRIPTION

The TC3000 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 extinguishing agent can take many forms from CO<sub>2</sub> through to specialist gasses – such as the Stat-X<sup>®</sup> aerosol suppression range – developed solely for extinguishing purposes. The fire is extinguished when the agent reduces the oxygen density in the atmosphere around the fire.

The TC3000 is packed with unique features, including a large LCD graphical display and keypad. The control panel comes with three detection zones, time & date-stamped log, advanced cause-and-effect, and extensive I/O.

To avoid false discharges, the TC3001 can utilise coincidence detection or double-knock requiring 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, telecom switchrooms, thus providing a cost-effective solution to protect your workplace.

### KEY FEATURES

- EN 12094-1 Approved
- EN 54-2 & EN 54-4 Approved
- Full CPD Approval
- 3 Year warranty
- Alphanumeric keypad
- Logo programming software
- Real-time clock and time & date-stamped event log
- Software extraction tool for downloading configuration and event logs
- Countdown timer

### FEATURES

- User-friendly graphical LCD display providing clearer status
- Information and programming routines
- Multiple languages
- Pass code replaces physical key for Level 2 access (optional keyswitch can be fitted if key is preferred).
- Company logo can be displayed on LCD during normal conditions
- RS485 for Remote Status Indicators





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### SPECIFICATIONS

Base Technology	Flash-based processor with Real Time Clock with time stamped event log
Display	Backlit 128 x 64 Graphical LCD
LED Indicators	Remote Status indicators are supported via RS485
Controls	Alphanumeric Keypad, Navigation Keys & System Keys for Reset, Mute, Silence/Resound & Sound Alarms
Number of Conventional Detection Zones	3x Conventional detection zones (incl. support for IS barrier)
Flooding / Extinguishing Zones	1x Flooding / Extinguishing Zones – Support for both Solenoid and Metron type actuators
On Board Sounder circuits	3x 700 mA 21-28 V DC
On Board Relays	4x 1 A 30 V DC Relay Outputs (Fire, Fault & 2 Programmable)
Auxiliary Supply	2x 400 mA Aux Supply Outputs 21-28 V DC (1 switched)
Programmable Outputs	Support for 2 or 8 additional programmable outputs via Exp-002/8
Switch Inputs	4x Programmable, 1x Manual Trigger, 6x Release Related (Mode Select, Valve Monitor, Pressure Monitor, Hold, Abort & Flow)
Countdown Timer	Large digit countdown timer
Mains Supply	3 A Universal switch mode PSU
Battery Capacity	24 V 7 Ah
Charger Current	1 A
USB ports	1x USB port onboard for PC download
Event Log	1,000 event time stamped event log
Enclosure / Colour	Steel IP30 / Grey RAL7035
Cable Entry	17 knockouts in the top, 13 knockouts in the back
Size H x W x D mm	330 x 400 x 95

### ORDERING INFORMATION

Product Code	Product Description
AE-TC3001	3 Zone Fire/Extinguishing Panel (EN Approved)
AE-TC3020	Remote Status Panel c/w LCD & LED Indicators
AE-TC3031	Remote Status Panel c/w LCD, MCP & KSW
ENC-UNIV-W	Weatherproof Housing for TC3001/4000/5000
ENC-TC3020-W	Weatherproof Housing for TC3020
AE-TC3001-MCP	Spare Manual Release Cover for TC3001

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