ExGo

Three Zone Automatic Gas Extinguishing Panel

The ExGo, three zone automatic extinguishing panel is approved to EN12094-1 (European Standard for Fixed Firefighting Systems - Components for Gas Extinguishing Systems) and EN54 - Parts 2, 4 and 13.

The ExGo 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^2 through to other specialist gases (e.g. Aerosol and Clean Agent) developed solely for extinguishing purposes. The extinguishant agent is released into the atmosphere in the area where a fire has been detected, reducing the density of oxygen in the atmosphere, thus extinguishing the fire.

The ExGo system is used primarily in areas of significant value/strategic importance to businesses e.g. computer suites, telecom switch-rooms, Battery energy storage systems (BESS) etc, providing a cost-effective solution to protect your work place or asset.



Features

- LCD display providing clearer status indication and programming routines
- Multiple languages - options for customisable slide-in labels to support local languages (GBEx version)
- Software for downloading configuration and event logs
- Passcode or optional key switch for Level 2 access
- Time and date-stamped event log and improved diagnostics
- Company logo can be displayed on LCD during normal conditions
- Large LCD/ digital countdown timer
- RS485 for remote status indicators (maximum of 7)
- PC download via USB

Specification

Base technology	Flash-based processor
Display	Backlit 128 x 64 LCD
Remote status indicators	Supported via RS485 (maximum of 7)
Controls	Alphanumeric keypad, navigation keys and system keys for Reset, Mute, Silence/Resound and Sound alarms
Detection zones	3 x conventional detection zones (inc. support for I.S. barrier)
Extinguishing zones	1 x flooding/extinguishing zones. Support for Solenoid (1A continuous load) and Metron (3A, 15ms pulse) type actuators
Onboard sounder circuits	3 x 1A, 18-28vDC
Onboard relays	4 x 1A, 30vDC relay outputs (Fire, Fault & 2 x programmable)
Auxilliary supply	2 x 500mA aux supply outputs 18-28vDC (1 switched)

Programmable outputs	Support for 8 additional programmable outputs via Exp-008
Switch inputs	4 x programmable, 1 x manual trigger, 6 x release (Mode Select, Valve Monitor, Pressure Monitor, Hold, Abort, Flow)
Countdown timer	On board, large digit
Mains supply	3A universal switch mode PSU
	200-240 (+10%; -15%); 47-63 Hz; 1.0 A (max)
Battery capacity	24V 7Ah
Charger current	1A
USB ports	1 x 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
Size (H x W x D)	330mm x 400mm x 90mm
Weight	5.1Kg (panel only)
Humidity	95% Max.
Approvals	EN 12094-1:2003 EN54-2:1997 +A1:2006 EN54-4:1997 +A1:2002 +A2:2006

Order Codes and Options

EX-3001*:	Extinguishing Control Panel
EXM-001:	Semi-flushing bezel for Ex-3001 panel
EXS-001:	Spare Manual Release Cover
EXS-002:	EX-3001 Spare Chassis c/w PCB
EXP-001:	Enable controls (trapped) key switch assembly
EXP-001F:	Enable controls (trapped) key switch assembly - Fitted
EXP-002:	Mode Select (Un-trapped) Key switch assembly
EXP-002F:	Mode Select (Un-trapped) Key switch assembly - Fitted
EXP-012	2-position 45 degree key Switch (momentary)

*NOTE

EX-3001 = EX3001 is referenced in other documentation

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

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ExGo

Remote Status Indicator Panels

The ExGo Remote Status Indicators are available in two formats, a basic display only with optional key switches or a manual release version with optional key switch for automatic/manual mode.

The ExGo 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 extinguishing agent can take many forms from CO^2 through to specialist gases developed solely for extinguishing purposes. The agent is released into the atmosphere in the area where a fire has been detected, reducing the density of oxygen in the atmosphere around the fire, thus extinguishing the fire.

The ExGo extinguishing system is used primarily in areas of significant value/strategic importance to businesses e.g. computer suites and telecom switch-rooms; thus providing a cost effective solution to protect your work place.



Features

- Small and compact
- RS485 network port
- Optional manual release or display only
- Surface mount or semi-flush option
- Up to 7 remote status indicators per one ExGo 1 loop panel
- 3-year warranty as standard
- Key switch option for mode select or enable controls
- Multiple languages
- Programmable inputs and outputs

Specification

Enclosure	Steel IP30 (optional IP65 version available upon request)
Dimensions (H x W x D)	190mm x 235mm x 45mm
Environmental class	Class A - indoor IP30 0°C to 40°C
Humidity	95% max
Weight (excluding batteries)	1.5Kg
Cable entries (20mm knockouts)	4x top and 4x bottom rear
Power supply	24VDC nominal (18V - 28V)
Relay outputs (optional)	2x rated at 1A 30 V AC/DC (max) 10mA 5V (min) programmable (requires EXP-007F)
Key switches 1 x programmable	Ex-3021 and Ex-3031 - Fitted
Manual release	Ex-3020 and Ex-3021 - No; Ex-3030 & Ex-3031 - Yes
External inputs (monitored)	2 x programmable
Communications	Rs485 to Ex-3000 series control panel
Display	Graphic LCD 124 x 64 pixels
LED indicators	12 in Total: Fire, Release, Timer, Disablement, Mode and Fault indications.

Order Codes and Options

EX-3020:	RSI c/w LCD + LED indicators
EX-3021:	RSI c/w LCD + LED indicators with mode select key switch
EX-3030:	RSI c/w LCD + LED indicators with manual release button
EX-3031:	RSI c/w LCD + LED indicators with MR button and mode select key switch
EXM-002:	Semi-flushing bezel for RSI

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