

80001-ZT

ZP-ECU3 extinguishing control unit

Product overview

The Ziton ZP-ECU is designed to connect to fire detection systems supporting ZP protocol. It controls the fire extinguishing system with support from the main fire panel. The ZP-ECU interfaces to the fire detectors of the fire detection system, and provides secure coincidence detection control of the extinguishing system.

Controls

This self-contained unit has key switches for automatic or manual selection, as well as lock-off control for maintenance. Other controls are: a manual extinguishant release, an alarm silence push-button, extinguishant hold off button and indicators for automatic, manual, locked-off, fault, fire, extinguishant discharged and reset status.

Connectivity

Outputs are provided for extinguishant release valves or actuators, audible fire alarm sounders, separate extinguishant release sounders, visual exit signs, door closing and shutter release. Also provided are facilities for remote manual extinguishant release, and remote operation and status functions.



Details

- All functions are software controlled for complete piece of mind
- All actions at the ECU are reported to the main fire alarm control panel and ECU status units
- Supports the connection of up to remote 10 status units

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Technical specifications

General

Status indication	LEDs for Extinguishant Discharged, System in Auto, System in Manual, System Locked, Fire, Fault, Power ON
Compatibility	Ziton ZP series systems
Addressing method	DIP Switches
Address range	1 to 127

Electrical

Power supply type	24 VDC
Operating voltage	22 to 29 VDC
Current consumption	80 mA (quiescent) < 150 mA (fault)

Input

Input quantity	1
Input type and rating	Supervised
Input states	Active, Normal
Termination resistor	2k2Ω

Output

Output quantity	4
Output type and rating	Extinguishant discharge (5 A @ 24 VDC intermittent or 1.5 A @ 24 VDC continuous); Fire alarm bell (0.5 A @ 24 VDC); Discharge siren (0.5 A @ 24 VDC); Auxiliary relay (30 W, 50 VA, 100 VDC / 90 VAC @ 1.5 A)
Supervisory voltage	Varied
Termination resistor	Various
Status units	< 10

Physical

Physical dimensions	300 x 230 x 100 mm
Colour	Ash grey
Mounting type	Surface mount
Controls	Auto/Manual control Lock-off/Reset Fire Sounder Silence Extinguishant Discharge Sounder Silence Manual Extinguishant Release

Environmental

Vandal proof	No
Environment	Indoor

Regulatory

Compliance	CE, REACH, RoHS 3, WEEE
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