

ZP3-ECU2

Addressable extinguishing control unit

Loop wired

Each Extinguishing Control Unit controls the discharge of a single gaseous extinguishing system, via the ZP loop wiring. The ZP fire control panel provides secure "Co-incidence Connection" control of the extinguishing control system. It is field programmable, with cross-mapped inputs being selected from various ZP line devices or zones. Functions such as automatic extinguishing agent release delay, selection of delay/no-delay for manual extinguishing agent release, and output relay control are fully configurable.

Key switches are provided for automatic or manual operation and lock-off for maintenance. Manual extinguishing agent release, an alarm silence push button and indicators for automatic, manual, locked-off, extinguishing agent discharged and reset status are also featured.



Status display at main fire panel

Outputs are provided for extinguishing agent release valves or actuators, audible fire alarm sounders, separate extinguishing agent release sounders, visual exit signs, door closing and shutter release. Also provided are facilities for remote manual release, and remote operation and status functions. Optional monitoring is provided for low extinguishing pressure, extinguishing agent release verification, and locked/ unlocked entry door status of the protected area.

The status of each extinguishing control unit is displayed at each fire control panel. A fault signal indicating the type of fault is raised at the fire panel for any out-of-normal conditions, which exits at the extinguishing control unit. Monitoring is provided for power supply, fuses, and operation. Field wiring is monitored for extinguishing agent release valves/actuators, fire sounder, and manual extinguishing agent release units.

Standard Features

- Automatic, auto-manual and manual keyswitches
- Integral manual discharge control
- First and second stage sounder outputs
- Status displayed at main panel
- Matching remote status and repeat units

Double address line security option

Any number of extinguishing control units may be used on a ZP fire detection system, with each unit requiring two system addresses. The unit may be connected to a single ZP system address line, or it may optionally be connected to two ZP system address lines, providing additional security against an accidental discharge. The casing of all extinguishing control units must be earthed to building earth.

Units require a 24V DC supply which may be taken either from the main system or from an external PSU.



ZP3-ECU2

Addressable extinguishing control unit

Specifications

Model No	ZP3-ECU2
Description	Addressable extinguishing control unit
Detection input	Single loop or two loop connection
Actuator circuits	1
Sounders	First stage - fire alarm sounders Second stage - extinguishing agent pre discharge sounders
Operating voltage	22 to 29 Volts dc
Current (unit only)	Quiescent 80mA, Alarm 150mA, Fault 200mA
Wiring	All system wiring 2 core (to local codes and standards)
Controls	Auto/manual, lock-off/reset, fire sounders silence, pre-discharge sounders silence, manual extinguishing agent release
Status indications	Extinguishing agent discharged, system automatic, system manual, system locked-off, fire, fault, power on
Function monitoring	Low pressure, agent release verification, fuses, power supply
Status monitoring	Auto/manual, system locked off, door locked/unlocked, manual discharge, automatic discharge
Field wiring monitoring	First stage sounders, pre discharge sounders, actuator/solenoid circuit, manual release circuit
Switched outputs (subject to PSU ratings)	Extinguishing agent release 5A at 24Vdc, sounders 0.5A at 24Vdc, auxiliary relay (Volt free C/O) 1A (resistive) at 30Vdc
EN60529 rating	IP40
Construction	Sheet steel enclosure
Dimensions	300mm(W) x 230mm(H) x 100mm(D)
Colour	Ash grey
Weight	4Kg
Publication No	PS1464

Ordering Information

Part No.	Description
ZP3-ECU2	Addressable extinguishing control unit