

ZP7-HWDC

Ziton addressable door controller

General

The ZP7-HWDC is an addressable interface providing a double pole change-over contact with fail-safe operation. It is intended for installations where ancillary electrical equipment such as fire resisting door release circuits, emergency control of lifts and shut-off of gas or oil supply valves or other building services is controlled from the fire alarm system. Multiple, similar devices such as fire door circuits can be controlled from a single unit.

Construction

The ZP7-HWDC consists of standard, EN54-18 approved components that is loop powered. A separate EN54 compliant power supply is required for the devices to be controlled.

Installation Options

Cable glands are provided for cable entry. Standard Ziton IO modules housed in the enclosure are configured on the CIE as per the normal requirements for the specific modules. The ZP7-HWDC takes up two addresses on the ZP loop.

A separate EN54 compliant PSU (up to a maximum of 5 A) is required to provide the power to the ancillary equipment.

To prevent tampering with the unit, the unit door can be securely closed using the supplied lid screws.



Details

- Offers a high power, self contained BS7273 complaint output
- Tamper resistant housing
- Configurable for top or bottom cable entry
- IP66 waterproof housing for wet environments
- Standard Ziton addressable ZP7 device types for easy configuration and setup
- Fail safe operation - when the power fails, the output drops out
- Local status indication for easy maintenance

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Technical specifications

General

Status indication	LEDs
Compatibility	Ziton ZP7 series systems
Addressing method	DIP Switches

Electrical

Power supply type	24 VDC, Loop powered
Operating voltage	19.5 to 20.5 VDC (Loop) - line drop 4 VDC (max) 18 to 26.4 VDC (Aux)
Current consumption	8.9 mA (Standby - loop) 9 mA (Activated - loop) 23 mA + External equipment current (Standby - Aux) 0 mA (Activated - Aux)
Communication voltage	19.5 to 20.5 VDC pulsed analogue loop

Output

Output quantity	1
Output type and rating	Double pole, change over - 5 A at 30 VDC

Physical

Physical dimensions	271 x 170 x 90 mm (W x H x D)
Net weight	1.05 kg
Colour	Grey (RAL 7035)
Mounting type	Surface mount
Cable entries	4
Material	ABS
Cable specification	2 core screened, Ø 6 to 10 mm

Environmental

Vandal proof	No
Operating temperature	-10 to +75°C
Storage temperature	-10 to +75°C
Relative humidity	20% to 95% noncondensing
Environment	Indoor
IP rating	IP66

Regulatory

Compliance	CE, REACH, RoHS 2, WEEE
Certification	CE
Standards	EN54:18 compliant



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