

ZPC760W

ZPC760W CEILING MOUNT VAD (WHITE BODY, RED FLASH)

General

The ZPC760W is a ZP7 series, addressable WHITE visual alarm device (VAD), approved to EN54:23 for ceiling mount applications. It features a clear lens with red LED element and incorporates a switch setting allowing it to be assigned a unique address on a Ziton fire panel loop.

Designed for installation at a height of up to 3m and with a discrete appearance, the ZPC760W with its deep base is suitable for a variety of applications. Its unique lens design distributes light evenly in a cylindrical shape to achieve the required illumination, whilst using minimum current.

High Intensity Visual Signal

Designed to complement audible alarms, the ZPC760W provides a high intensity, synchronised visual signal for applications where alarm sounders alone are ineffective for notification or evacuation of a premises. In areas with high levels of background noise and manufacturing areas where intense industrial noise demands the use of ear protection, residential areas or other confined spaces such as bedrooms, bathrooms and toilets, or places with occupants who may be hard of hearing, the use of visual indication of alarms are ideal.

The ZPC760W is designed to meet the requirements of most local disability legislation and is certified as a primary alarm notification device under EN54:23.

Current Consumption and System Loads

Depending on the system requirements, the ZPC766W may be set to use less power. When coverage areas are small (less than 7.5 m radius), reducing the required range minimises the system current load. In addition the flash frequency may be set to 0.5 Hz (1 flash every 2 seconds) instead of 1 Hz (1 flash every second) in instances where power consumption needs to be further reduced.

External Power Supplies

The ZPC766W is installed using a fist fix base supplied with the unit. Loop and/or power cables for the VAD are connected in this base. In systems where loop lengths or current requirements are high, the ZPC766W may be powered directly from an external, EN54:4 approved power supply. The external supply is supervised and should there be a problem, the VAD automatically notifies the fire panel.



Details

- Compatible with Ziton addressable fire panels
- Connection layout with easy wiring and connection on installation
- Powered directly from the ZP loop for small installations, or externally when many units are required
- Fully addressable
- LED technology for long service life and low current consumption, maximising the number of devices on a loop
- Unique optics for light management with a lens design that optimises light dispersal, minimising power wastage
- Up to 7.5m coverage diameter, reducing the number of devices required to cover an area
- Coverage switch feature - for smaller areas switch down from 7.5m to 3m, reducing power consumption and saving up to 50%
- Flash rate switch feature, reducing the power consumption by up to 50%
- Soft start up for reduced current peak at start up, reducing circuit loading
- Locking base to prevent easy removal of device
- EN54-23 approved and CPR certified

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Technical specifications

VID

Flash frequency	0.5 or 1 Hz 30 or 60 flashes/min
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Physical

Physical dimensions	93 x 65 mm (Ø x H)
Net weight	175 g
Colour	Gloss white / clear lens
Dimensions (dia x h)	93 x 65mm
Weight	175g
Material	ABS FR / (Lens - Polycarbonate)
Body colour	Gloss white / Clear lens

Environmental

Operating temperature	-10 to +55°C
Storage temperature	-25 to +70°C
Relative humidity	95% max. noncondensing
Environment	Indoor
IP rating	IP65
Application	Type A
IP rating	IP65
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +70°C
Relative humidity (noncondensing)	> 95%

Standards & regulation

Certification	EN54-23
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Mounting type

Ceiling

Operating voltage

Loop powered (pulsed)	15.5 - 20.5V
Externally powered	18 - 28VDC

Current consumption (max)

- From the loop

Loop powered	1Hz
- Quiescent	740µA
- Active (LP / HP)	34 / 70mA

Loop powered	0.5 Hz
- Quiescent	740µA
- Active (LP / HP)	22 / 38mA

Externally powered	
- Quiescent	600µA
- Active (LP / HP)	6 mA

Current consumption (max)

- From AUX PSU

Flash Frequency	1Hz
- Quiescent	180µA
- Active (LP / HP)	20 / 40mA

Flash Frequency	0.5 Hz
- Quiescent	180µA
- Active (LP / HP)	12 / 24mA

Devices per loop (max)*

< 25

Wiring

2 core loop

Monitoring

Open/short circuit, removal, device type, external power

Addressing method

7 way CIT (1of 127 addresses)

Visual indicator

Light source	Red LED
Flash frequency (selectable)	0.5 or 1Hz

EN54:23 C-3-7.5

*

1km loop of 1.5mm² cable and depending on loop configuration, device setting and power selection



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