

PERTRONIC INDUSTRIES LTD

DATASHEET

Dual Visual Alarm Device (DVAD)



Overview

The Dual Visual Alarm System (DVAD) provides indoor indications for emergency evacuation systems.

This unit is recommended for factories, rest homes, hospitals, and supplementary indication for suppression systems and should be used in conjunction with audible evacuation systems.

Both Alert (White) and Evacuate (Red) strobe outputs are provided.

The two-part case makes the fitting, connection and servicing simple and may be wall (DVAD-W-24V-2D) or ceiling (DVAD-C-24V-2D) mounted.

This dual strobe is supplied complete with EVACUATE and ALERT labels. These may be fitted on to the strobes and oriented to suit the mounting position.

At only 51mA average draw per strobe, and a flash rate of 1.0Hz (at 24V), which is also switchable to 0.5Hz, the unit is very energy efficient.



Pertronic DUALSTROBE, showing typical label orientations



The red wall mounted VAD on the left, and white ceiling mounted VAD on the right

Features

- » Supplied complete with EVACUATE and ALERT labels
- » Easy two-part installation with quick access for maintenance
- » Ceiling or wall mounting
- » High visibility LED strobe indication (1 x Amber, 1 x Red)
- » 20Vdc to 30 Vdc operation
- » Energy Efficient: 51mA per strobe, flash rate of 1.0 Hz (switchable to 0.5Hz)
- » Suitable for indoor or protected outdoor use
- » Single screw housing attachment

Specification

Dimensions (DUAL STROBE)	218 x 113 x 32 (H x W x D mm)		
Material	0.9mm steel, powder coated		
Weight	464g (Individual strobes, 100g)		
Case colour	White		
Knockout diameter	20mm		
Mounting	Keyhole type at 150mm separation (7.5mm dia. screw head max)		
Cabling	4 x 20mm diameter knockouts (top, sides and bottom)		
Wiring	4-way removable terminal block with strain relief		
VAD body/flash colour	White (Alert) and Red (Evacuate)		
VAD type	Type A (IP33C). For use in conditioned indoor areas		
Flash rate	1.0Hz (at 24V), switchable to 0.5Hz		
Coverage, max height		Ceiling	Wall
	High power	Max height: 3.0m	Max height: 2.4m
		Coverage: 7.5m ²	Coverage 7.5m ²
		(C - 3.0-7.5)	(W - 2.4-7.5)
	Low power	Max height: 3.0m	Max height: 2.2m (red), 2.3m (white)
		Coverage: 5.0m ²	Coverage: 2.3m ² (red) 2.2m ² (white)
		(C - 3.0-5.0)	(W - 2.2-2.3) (W - 2.1-2.2)
Power requirements	Voltage range	9V to 60V (DC)	
	Monitoring voltage	0.25V	
	Operating current	High power	51mA/VAD (@24V, 1.0Hz)
		Low power	35mA/VAD (@24V, 1.0Hz)
		Standby	0.2uA
Operating temperature	-25°C to + 70°C		
Operating environment	Humidity range: 10 - 93% non-condensing		
Operational mode	2-wire		
Standard compliance	AS ISO7240.23.2014		

Ordering Information &

Notes

Product Code	Description
DVAD-C-24V-2D	Dual Red & White Polarity Reversal VAD 24V Ceiling mount
DVAD-W-24V-2D	Dual Red & White Polarity Reversal VAD 24V Wall mount

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

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