

# 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 25mA 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 White, 1 x Red)
- » 9Vdc to 60V dc operation
- » Energy Efficient: 25mA per strobe at 24V, flash rate of 1.0 Hz (switchable to 0.5Hz)
- » Suitable for use in conditioned indoor areas
- » Single screw housing attachment

## Specification

<b>Dimensions (DUAL STROBE)</b>	218 x 113 x 32 (H x W x D mm)		
<b>Material</b>	0.9mm steel, powder coated		
<b>Weight</b>	464g (Individual strobes, 100g)		
<b>Case colour</b>	White		
<b>Knockout diameter</b>	20mm		
<b>Mounting</b>	Keyhole type at 150mm separation (7.5mm dia. screw head max)		
<b>Cabling</b>	4 x 20mm diameter knockouts (top, sides and bottom)		
<b>Wiring</b>	4-way removable terminal block with strain relief		
<b>VAD body/flash colour</b>	White (Alert) and Red (Evacuate)		
<b>VAD type</b>	Type A (IP33C). For use in conditioned indoor areas		
<b>Flash rate</b>	1.0Hz (at 24V), switchable to 0.5Hz		
<b>Coverage, max height</b>		Ceiling	Wall
	High power	Max height: 3.0m	Max height: 2.4m
		Coverage: 7.5m <sup>2</sup> (C-3.0-7.5)	Coverage 7.5m (W-2.4-7.5)
	Low power	Max height: 3.0m	Max height: 2.4m
		Coverage: 5.0m (C-3.0-5.0) (C-3.0-3.0)	Coverage: 2.5m (W-2.4 - 2.5)
<b>Power requirements</b>	Voltage range	9V to 60V (DC)	
	Monitoring voltage	0.25V	
	Operating current	High power	25mA/VAD (@24V, 1.0Hz)
		Low power	16mA/VAD (@24V, 1.0Hz)
		Standby	0.2uA
<b>Operating temperature</b>	-25°C to + 70°C		
<b>Operating environment</b>	Humidity range: 10 - 93% non-condensing		
<b>Operational mode</b>	2-wire		
<b>Standard compliance</b>	AS ISO 7240.23.2014		

## Ordering Information

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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