



## Key Features

- Responds well to both black and white smoke ✔

---

- Low-profile, stylish appearance ✔

---

- Locking mechanism to avoid unauthorised removal ✔

---

- Automatic sensitivity compensation ✔

---

- Corresponds to auto-test function of Velocity MMP series control panel ✔

## Overview

The Velocity Addressable Optical Smoke Detector is a stylish and low-profile, analogue addressable smoke detector that uses a photoelectric detection element. It is designed for use with the Velocity MMP control panel to form part of an analogue addressable fire alarm system.

These smoke detectors have a unique detector address to give accurate detector location during the installation. This enables constant monitoring of the detector’s sensitivity and the condition of the detector to be reported to the fire alarm control panel.

Thanks to a sophisticated smoke chamber design and the use of an orange sensor LED, Velocity Addressable Optical Smoke Detectors can provide the same level of sensitivity regardless of the type of smoke.

Velocity Addressable Optical Smoke Detectors have a chemically etched, stainless steel insect screen to reduce the ingress of insects and airborne particles, thus prolonging the life of the detector and reducing nuisance alarms.

These detectors have two terminals for connection to a two-wire loop and a third terminal that provides a switched current sink function, suitable for the operation of auxiliary functions such as remote indicators, in an alarm event.

## Tech Specs

<b>Detector Element</b>	LED: Peak wavelength 630 nm Photodiode: High-output, high-speed silicon photodiode
<b>LED Visual Indicator</b>	Stand-by – Flashing green Led Alarm – Solid red LED with flashing green
<b>Operating Voltage</b>	20 VDC to 38 VDC Peak
<b>System Voltage</b>	35 VDC

## Tech Specs

Stand-by Current	200 $\mu$ A
Alarm Current (with red LED)	5 mA
Sensitivity	0.69 %/Ft to 2.86 %/Ft
Operating Temperature	-10 °C to +55 °C (14 °F to 131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to 140 °F)
Relative Humidity	$\leq$ RH 95 % non-condensing
Addressing Method	Soft addressing, Non-Volatile EEPROM
Address	1 to 254 (decimal)
Maximum Quantity Per loop	254 units
Material	IDEMITSUKOSAN R2200
Dimensions (W x H)	104mm x 33 mm (Detector head only) 104mm x 48 mm (Detector head and VDOT-UB4 Base)
Weight	105g (Detector head only) 170g (Detector head and VDOT-UB4)
Standard	UL268

## Ordering Information

Part Number	Description
VDOT-PY	Velocity Addressable Optical Smoke Detector