

**VDOT-STB-RL**
**LOW POWER RELAY BASE**

**Features**

- Low power relay base.
- UL Listed Base.
- Compatible to Velocity's UL Listed detectors.
- Contains a locking screw for tamper protection.
- Current Consumption 24  $\mu$ A (Standby), 110  $\mu$ A (Alarm/Activated).
- Power supply 20 VDC to 38 VDC supplied by loop.

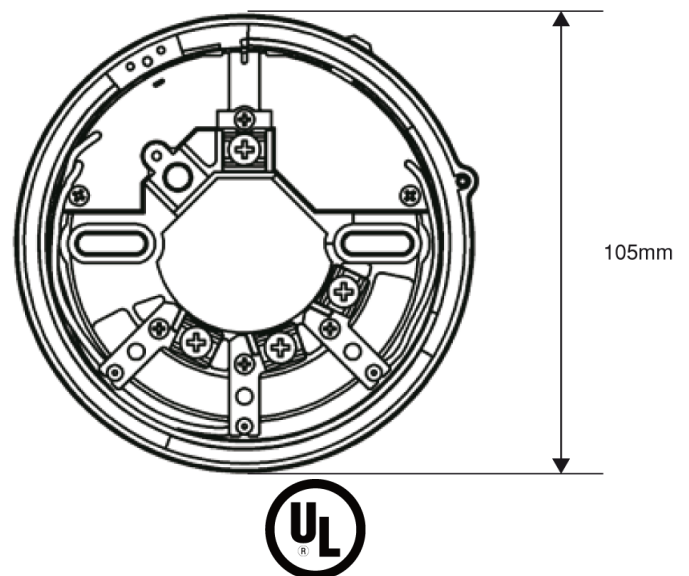
**Description**

VDOT-STB-RL is a 4 inch relay base for use with Velocity's UL listed detectors. It incorporates one voltfree relay contact. When a detector is in an alarm condition, the base receives a control signal from the detector and changes status of the relay. The rating of relay contact is 30 VDC@1 A.

VDOT-STB-RL can be mounted to 3-1/2" octagonal electrical box, or to 4" square or 4" octagonal electrical box when using VDOT-ADP optional mounting adaptor. The base is supplied with 2 terminals for SLC as standard. The 12 - 20 AWG field wire can be connected to the terminals. VDOT-STB-RL contains a locking screw to avoid unauthorized removal of detectors.

**Compatible Detector Models**

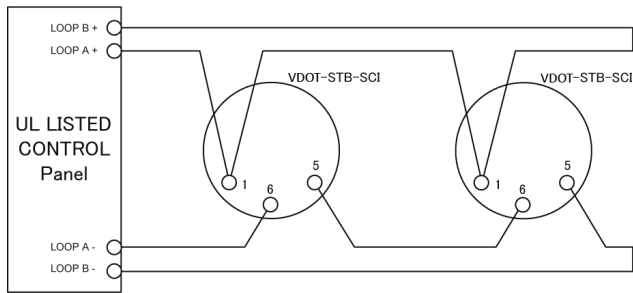
Models	Description
VDOT-PY	Addressable Photoelectric Smoke Detector
VDOT-PYH	Addressable Multisensory Detector
VDOT-H2	Addressable Heat Detector
VDOT-DPH	Addressable Dual Optical / Heat Detector

**Dimensions**


## ■ Installation Diagrams

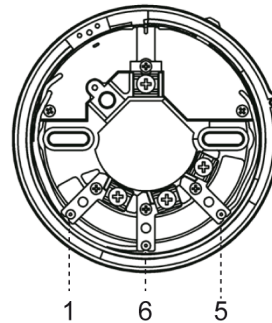
### Analog Addressable Wiring

When connected to analog addressable detectors such as VDOT-PY, VDOT-PYH, VDOT-H2, VDOT-DPH, etc.



### Terminals

VDOT-STB-RL base is supplied with 3 terminals and 1 output relay as follows:

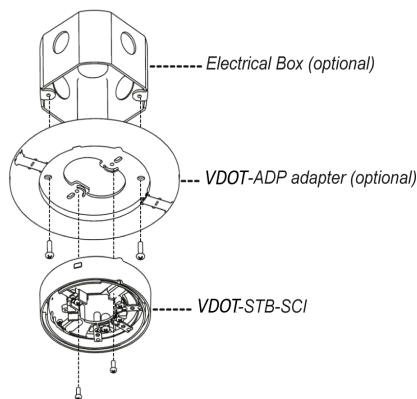


#### Terminals

- Terminal 1 = SLC+
- Terminal 6 = SLC - IN
- Terminal 5 = SLC - OUT

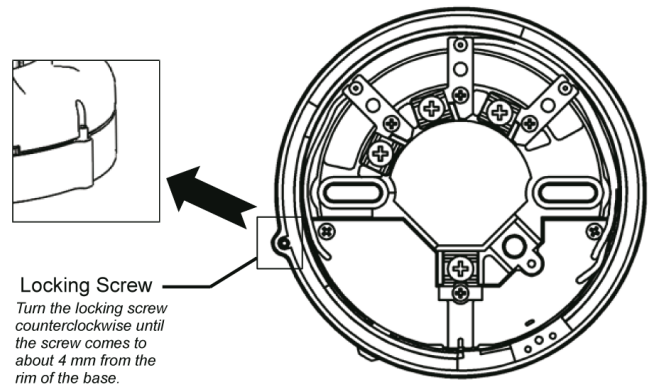
### Mounting

VDOT-STB-RL can be mounted to a 3-1/2" octagonal electrical box, or to a 4" square or a 4" octagonal electrical box when using a STBA-ADP optional mounting adaptor.



### Locking Screw

VDOT-STB-RL contains a locking screw to avoid unauthorised removal of detectors.



## ■ Specifications

Specifications	VDOT-STB-RL
SLC Applied Voltage	Rated Range 20 VDC to 38 VDC
SLC Current Consumption	Standby: 24 $\mu$ A Alarm/Activated: 110 $\mu$ A (max)
Relay Switching Capacity	30 VDC@1 A
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
Environment	Indoor, dry use only
Terminal	SLC: AWG12-20 Relay: AWG14-22
Dimensions	$\phi$ 105 mm x H 22.5 mm
Weight	80 g
Standard	UL268 and UL521

All specifications are subject to change without any notice.  
For more information, contact with VELOCITY.



Zeta Alarms Limited  
72-78 Morfa Road, Swansea  
SA1 2EN  
Tel: +44 1792 455 175 FAX: +44 1792 455 176

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<http://www.velocitydetection.com>

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