

Illustrated with the OVS-01GT

Monitored Hybrid Through Beam  
Active Infrared Photo Eye Flexible Power

# OVS-50 TNR



The OVS-50 TNR Monitored Hybrid Photoelectric Through Beam offers cost-effective, stable and versatile Active Infrared detector. The AIR dual beam set offers extreme stability in all kinds of weather. No wiring is required at the Transmitter side, which means less installation time and lower labor costs, plus there is no need to cut the driveway. The OVS-50 TNR has a battery life of eight years and a long range: up to 50 feet, point to point.

# OVS-50 TNR

## Monitored Hybrid Through Beam

### Stable regardless of weather

The OVS-50 TNR is extremely stable in rain, snow and fog.



### Long range, easy to install

The OVS-50 TNR has a range of up to 50 feet point-to-point. Installation requires no concrete cutting and no wiring on the transmitter side. This reduces installation time and labor costs.

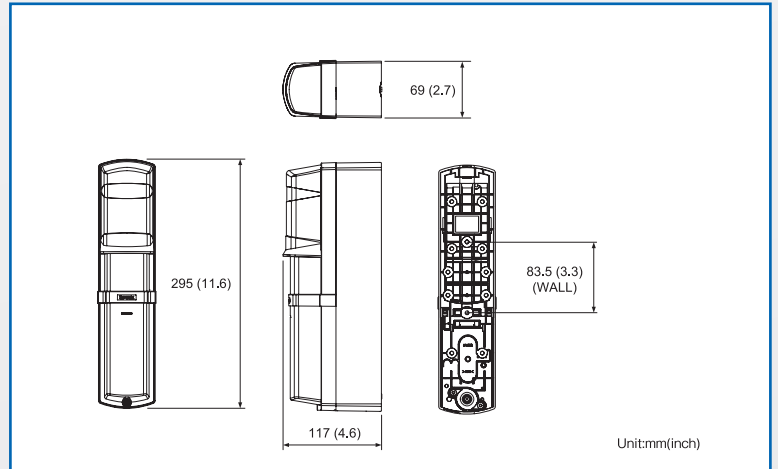
### Optical Alignment Technology



### Long Battery Life

The OVS-50 TNR has been designed to work with D-size lithium batteries, and OPTEX recommends the Saft LSH-20 battery. When using LSH-20 batteries in the transmitter (2 batteries total), battery life expectancy is approximately 8 years. Batteries are easy to access when they need to be replaced, and beams do not need to be realigned afterwards.

### Dimensions



### OVS-50 TNR Specifications

| Description              |   | Monitored Hybrid 50 ft. Dual Through Beam   |
|--------------------------|---|---|
| Max. detection range     |   | 50 ft.  |
| Detection method         |   | Twin infrared beam interruption detection   |
| Interruption time        |   | Variable between 20 / 100 / 250 / 500 ms (4 steps)                                      |
| Power source             |   | Transmitter 3.6 VDC D size lithium batteries: 2 units<br>Receiver: 12-24 VDC            |
| Current draw             |   | Transmitter: 130µA (25°C, DC3.6V)<br>Receiver: 80µA (max.)                              |
| Battery life             | LSH-20 by SAFT                            | Approx. 8 years   |
| Output                   | Output                                    | Form C relay, 30VDC 0.2A  |
|                          | Output hold time                          | Blocked beam period +0.5 sec.   |
| Indicator LED            | Output/Level indicator (receiver)         | ON: Beam not received<br>Blinking: Beam not received sufficiently<br>OFF: Beam received |
|                          | Power/Low battery indicator (transmitter) | ON: Power ON<br>Blinking: Low voltage<br>OFF: Power OFF                                 |
| Operating temperature    |   | -4°F to 140°F   |
| Operation humidity       |   | 95% (max.)  |
| Alignment angle          |   | ±90° horizontal, ±5° vertical   |
| Dimensions               |   | 11.6"H x 2.7"W x 4.6"D  |
| Weight                   |   | 42.3 oz. (total weight of transmitter + receiver excluding accessories)                 |
| International protection |   | IP65  |
| Listing                  |   | UL325 2016 compliant  |



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