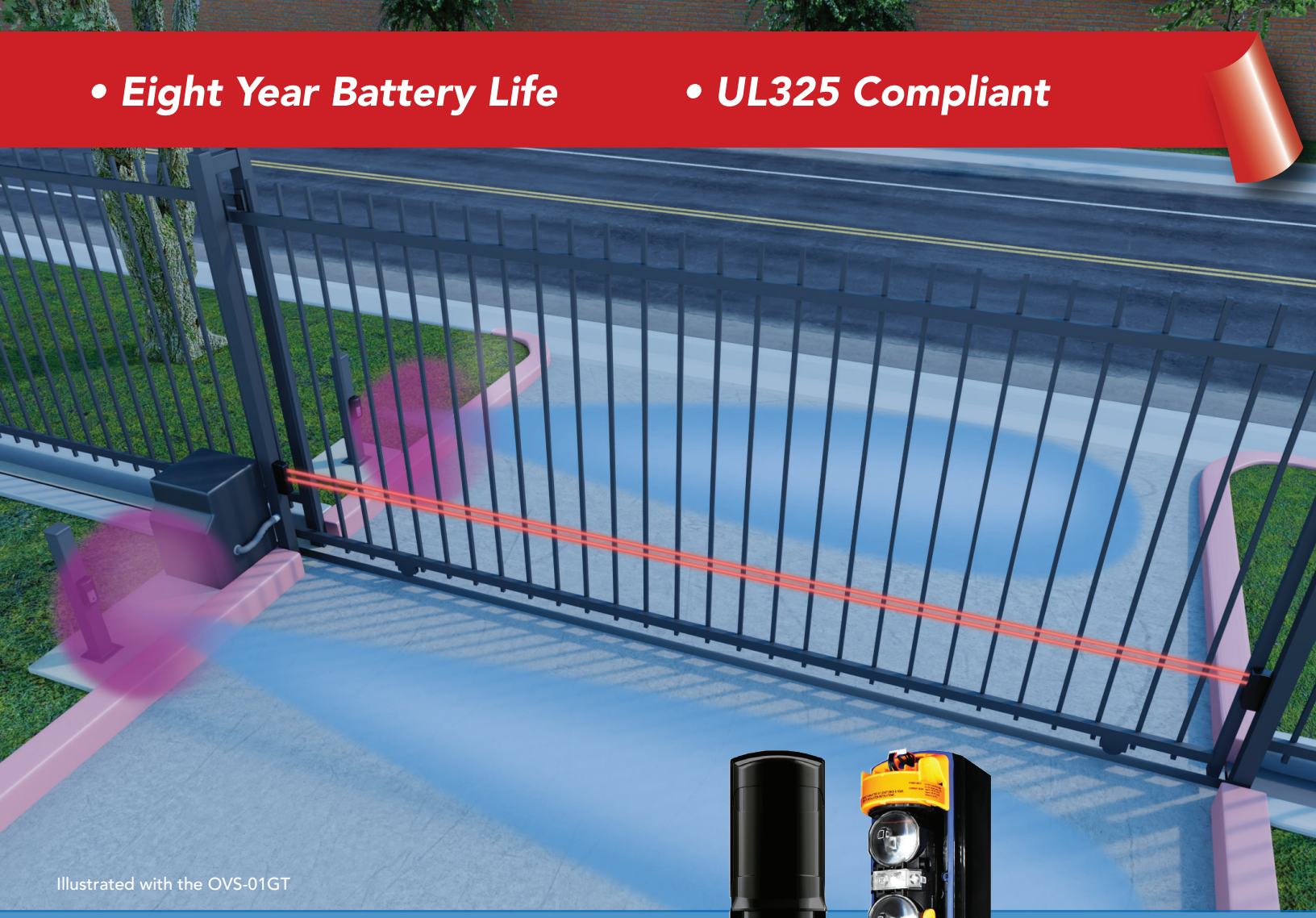
• *Eight Year Battery Life* • *UL325 Compliant*



Illustrated with the OVS-01GT

Monitored Hybrid Through Beam

Align by using Sniper Viewfinder with x2 Magnification

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. Easy to see LED optical alignment. 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.

OPTEX
Sensing Innovation

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

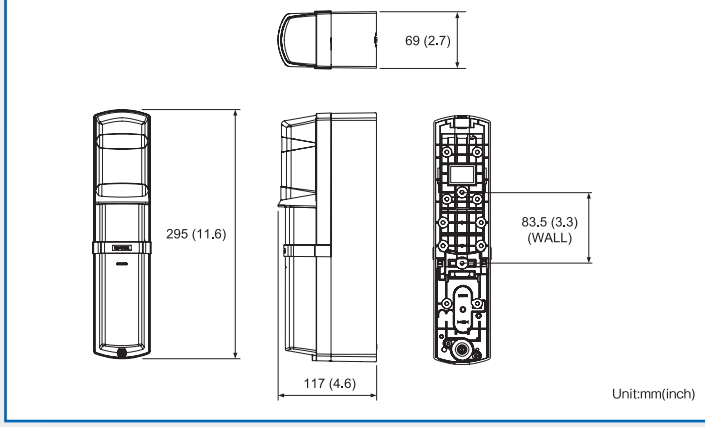
The OVS-50 TNR has a range of up to 50 feet point-to-point. Installation requires no concrete cutting and no wiring on the transmitter side. This reduces installation time and labor costs.

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 Receiver: 12-24 VDC
Current draw		Transmitter: 130µA (25°C, DC3.6V) 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.
	Resistive Termination	10 ohm across NO and NC contact
Indicator LED	Output/Level indicator (receiver)	ON: Beam not received Blinking: Beam not received sufficiently OFF: Beam received
	Power/Low battery indicator (transmitter)	ON: Power ON Blinking: Low voltage 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 compliant

OPTEX Sensing Innovation

18730 S. Wilmington Ave, Unit 100
Rancho Dominguez, CA 90220
Ph 800 877-6656
Fax 310 898-1098
www.optex-vs.com

OPTEX Inc.
(East Coast Office)
8510 McAlpine Park Dr.
Suite 108
Charlotte, NC 28211