

**SL-350 QFR**  
Battery-Powered Quad Beam Photoelectric Detector

**iSeries** powered by **inovonics**  
wireless

**SL-350 QFRi**  
Battery-Powered Quad Beam Photoelectric Detector with Inovonics Transmitter

**No Wires**  
**No Trenching**  
**NO HASSLES.**

350 FT. BATTERY-POWERED  
WIRELESS PHOTOBEAM



# A revolution in the perimeter security industry.

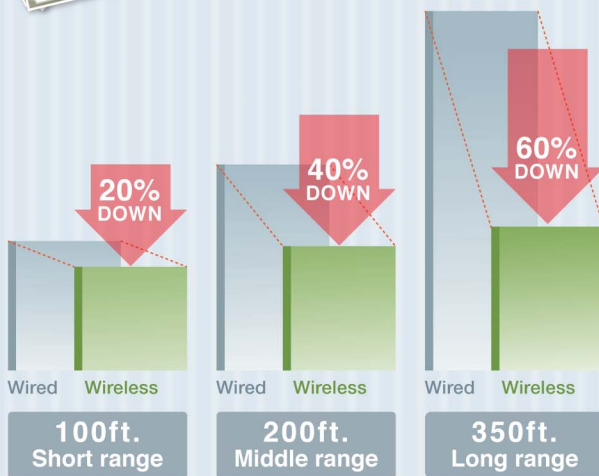
Eliminate expensive trenching and wire conduit runs and drastically reduce labor time associated with typical perimeter security systems by adding the SL-350QFR or SL-350QFRi to your next job.

Optex is proud to now offer a 350 ft., battery-powered photoelectric detector requiring no trenching or wiring to our industry leading outdoor wireless intrusion line.

## Advantage of a battery powered, wireless system



### COST REDUCTION



- 1 Low installation costs
- 2 Quick & easy installation
- 3 Flexible location
- 4 Long battery life
- 5 Free from power surges



### SAVE TIME

Wired	Wireless
<b>1 Trench</b> 	<b>1 Install</b> 
<b>2 Install</b> 	<b>2 Adjust</b> 
<b>3 Adjust</b> 	

Next Job Site!

## Various mounting patterns

\*Please see back page for more information on these optional accessories.



Wall



Pole (SINGLE)



Pole (SINGLE)



Pole (DOUBLE)



Beam Tower



Solar battery





## LONG BATTERY LIFE

Approx. 4 years. Max. 10 years

Transmitter 420µA Receiver 325µA

When using LSH(3.6V,13Ah) batteries manufactured by SAFT.



	Transmitter	Receiver
 2 pcs *included	4 years	5 years
 4 pcs *optional	8 years	10 years

## Adaptability to wireless system

The SL-QFR beams are designed to be used as easily deployable detection and adaptable to any control system currently installed.



## Sniper viewfinder and Automatic Beam Alignment Unit

False and missed alarms caused by fog and other factors can be reduced if optimal alignment is achieved initially. The SL-350QFR 's new Sniper Viewfinder telescope lens allows a high level of visibility and magnification for optical alignment work. Even at maximum installation distance, the new Sniper Viewfinder increases the probability of optimal alignment. In addition, the optional BCU-4 Automatic Beam Alignment Tool allows one installer to align the beams at maximum installation distance and also achieve perfect alignment. This allows for a substantial cost savings by reducing labor and all but eliminates false alarms caused by misalignment.



Conventional



Sniper viewfinder



BAU-4

## IP65 Weather protection



The SL-QFR beams are protected from interruption caused by insects, dirt, sand or humidity.

## iSeries wireless powered by INOVONICS®

The iSeries SL-350QFRi is shipped with Inovonics EN1941 wireless transmitters pre-installed, allowing even more time saved while on the job site. The EN1941 monitors the DQ circuit, tamper and primary alarm, while an included BCU-4 module monitors for low battery.



## Basic performance

- 99% Beam blocking stability
- 4 selectable beam frequencies
- Beam interruption adjustment function
- Triple tamper function
- D.Q.circuit (enviromental disqualification)
- High grade aspherical lens
- Form C(N.C./N.O.) output
- Battery saving function
- Intermitten output function

**SPECIFICATIONS**

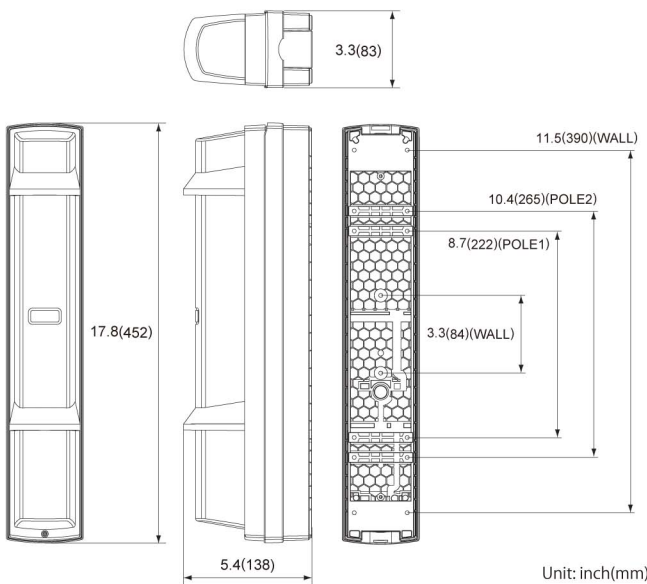
Model	SL-350QFR	SL-350QFRi
Maximum detection range	100 m/350 ft.	
Maximum arrival distance	1000 m/3500 ft.	
Detection method	Quad infrared beam interruption detection	
Selectable beam frequency	4 channels	
Interruption time	Variable between 50/100/250/500 ms (4 steps)	
Wireless Transmitter	Not Included	Inovonics EN1941 Installed
Power source	Recommend: 3.6 V, 13.0Ah LSH20 lithium batteries manufactured by SAFT Operating range: 3.2 V - 4.0 V lithium batteries Transmitter: 2 or 4 units, Receiver: 2 or 4 units	
Current draw	745µA Transmitter: 420 µA + Receiver: 325 µA (at 77°C, 3.6 VDC)	
Battery life **	Transmitter: Approx. 4 years Receiver: Approx. 5 years	
Output	Alarm output	From C-Solid State Switch: 3.6 VDC, 0.01 A
	Alarm period	2 sec (±1) (Nominal)
	D.Q output	From C-Solid State Switch: 3.6 VDC, 0.01 A
	Low battery	(Receiver only)
	output	N.C. (mechanical switch): 3.6 VDC, 0.01 A (Transmitter and Receiver)
Indicator	Alarm indicator (Receiver)	Alarm: ON Light receiving: OFF
	Level indicator (Receiver)	Not Light receiving: OFF Light receiving: Flickering or OFF
	Power indicator (Transmitter)	Power ON: ON Power OFF: OFF
	Low battery indicator	Voltage reduction: Flickering
Operating temperature	-40°F - 140°F (-20°C - +60°C)	
Operating humidity	95 % (max.)	
Alignment angle	±90° Horizontal, ±10° Vertical	
Dimension	H x W x D inch(mm): 17.9 (452) x 3.3 (83) x 5.4 (138)	
Weight	7lb. 4oz. (Total weight of Transmitter + Receiver, excluding accessories)	

Specifications and design are subject to change without prior notice.

\* The value is based on the condition that it is used within the ambient temperature range of 20 to 25°C. (LSH-20 x2 pcs)

\*\* Using batteries other than those recommended may shorten the battery life.

**DIMENSIONS**



**OPTIONS**

**Anti Bird Cap ABC-4**

Prevent birds and small animals from the detector to reduce the false alarm. Prevent streaming rain and snow from the front of the detector to keep the sensitivity.



**Back Cover BC-4**

Conceal the back side of pole mounted detector.



**Pole Side Cover PSC-4**

Conceal the gap of pole mounted detectors back to back.



Patent pending

**Solar Battery Unit SBU-4**

Supply power by using solar battery.



**Beam Alignment Unit BAU-4**

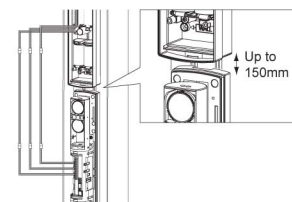
Adjust optical axis automatically. (receiver only)



Patent pending

**Extension Cable with Connector EC-4**

Extend cables to the back box and the main unit when installing in the beam tower.



Cable length: 500 mm (19.7 inch)



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