

OPTEX i-SeriesWireless Outdoor Detectors Catalogue



OPTEX, a leading sensor manufacturer, provides a range of quality detection systems based on infra red, microwave, laser and fibre optic technologies, to help protect any site from intrusion. Using proven technologies, OPTEX delivers multi-layered perimeter protection that secures the immediate surroundings of the perimeter, the actual perimeter line (being a fence, a wall or just a virtual line) and the site area itself. Its systems are featured in thousands of installations worldwide, from military and government facilities to power stations and other sites of critical infrastructure.

OPTEX (Europe) Limited

Platinum House

Unit 32B Clivemont Road Cordwallis Industrial Estate Maidenhead Berkshire SL6 7BZ United Kingdom

Tel +44 (0) 1628 631 000
Fax +44 (0) 1628 636 311
Email marketing@optex-europe.com
Web www.optex-europe.com

OPTEX EUROPE (Dubai Branch)

4th Floor C-D Wing Dubai Silicon Oasis P.O. Box 341041 Dubai, UAE

Tel +971 (0) 4 501 5394 Fax +971 (0) 4 501 5777



www.optex-europe.com

^{1:} Product specifications and design are subject to change without prior notice. OPTEX's detectors are designed only to be a part of complete system. OPTEX cannot accept responsibility for any damages or other consequences resulting from an intrusion. All marks referenced herein with the [®] or ™symbol are registered trademarks or trademarks of OPTEX CO, Ltd. or its subsidiaries. All rights reserved.





FEATURES

- Includes Inovonics EchoStream EN1941 and battery pre-installed
- 100ft and 200ft detection ranges
- Long battery life (Batteries Included) AX-100TFR / AX-100TFRi: approx. 5 years AX-200TFR / AX-200TFRi: approx. 3 years(trans)

AX-200TFR / AX-200TFRi: approx. 5 years(receiver)

- Easy battery replacement
- Triple tamper functions
- · Intermittent output function

OPTIONS

• MP-4: Main unit mounting bracket set (for tower mounting)

· Low battery output and LED indication



	Model	AX-100TFRi	AX-200TFRi	
	Range	100ft (30m)	200ft (60m)	
	Max. arrival distance	265m	530m	
Detection method		Infrared beam interruption detection		
	Beam freq. selection	4 channel		
	Interruption period	Variable between 50, 100, 250, 500msec		
	Power source	3.6V 13.0Ah : (4) LSH20 lithium batteries manufactured by SAFT (included)		
	Current draw	810 \(\mu\) A T:490 \(\mu\) A + R:320 \(\mu\) A (at 25°C ,3.6VDC) 620 \(\mu\) A T:300 \(\mu\) A + R:320 \(\mu\) A (at 25°C ,3.6VDC)		
	Battery life	5 yrs	Trans. 3 yrs Rec. 5 yrs	
	Alarm output	Form C-Solid State Switch : 3.6VDC, 0.01A		
	Alarm period	2 sec (±1) nominal		
	D.Q. output	Form A/B-Solid State Switch : 3.6VDC, 0.01A		
out	Low battery output	Form A/B-Solid State Switch: 3.6VDC, 0.01A		
ut	Low battery output Tamper output	Form C: 3.6 VDC, 0.01 A		
0	for Front cover	activates when cover removed. (Receiver only)		
	Tamper output for Back box	Form C: 3.6 VDC, 0.01 A: activates when either back box/chassis is removed		
Indicator	Alarm Indicator (Receiver) Power (Transmitter)	(1) Light on - IR Beam not received. (2) Flickering - IR Beams not received sufficiently. (3) Light off - IR Beams received.		
	Power	Power ON : ON,		
	(Transmitter)	Power OFF : OFF		
	Low battery	Voltage Reduction : flicker		
Operating temp Envir. humidity Alignment angle Mounting		-4"F-+140"F (-20"C - +60"C)		
		95%(Max.)		
		± 90° Horizontal, ± 5° Vertical		
		Indoor/Outdoor, Wall/Pole/Tower mounting (Optional main unit mounting brackets are required, when the units mount in the tower.)		
	Weight	56.5oz (1600g) (transmitter + receiver)		
Int. protection		IP55		

powered by INOVONICS*

VX-402Ri

14 zones

1ft -5ft/s

35°F at 2ft/s

40ft x 40ft (12m) 90° wide

3mA (walktest, LED on)

Approx. 120 sec. or 5 sec.

Enable during walk test

2.6ft - 4ft (0.8m - 1.2m)

7.8in x 3.15in x 4.25in

10μA (standby)

Approx. 2.5 sec

Approx. 2 min.

No Alarm 30V/m

Wall, pole

1lb 1oz (480a

3 - 9 VDC lithium or alkaline battery

Form C - solid state switch: 10V DC0.01A

Form C activates when cover is removed

Approx. 20 sec. 2 or 4 / Test (1pulse)

Disable during normal operation

-4°F to 122°F (-20°C to +50°C)

Model

Coverage

Detection zones

Sensitivity

Detectable speed

Power supply

Current consumption

Alarm period

Alarm output

Battery saving time

Tamper swith

Pulse Count

Warm-up period

perating temperature

RF interference

Mounting height

Mounting

Weight

imesions (H x W x D)

rironmental humidit

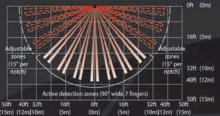


- Includes Inovonics EchoStream EN1941 and battery pre-installed
- Dual PIR's for extremely stable outdoor detection
- · Battery saving circuit
- Form C alarm output and tamper output
- Low current draw

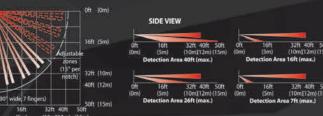
FEATURES

- · Limited detection range function
- Size judging function
- Sensitivity selection switch
- Temperature compensation

ОР	VI	EW	



When only the lower zone When only the upper zone When both the upper &



lower zones detect a movino







Series HX-40RAMI, HX-80NRAMI HIGH MOUNT OUTDOOR PIR W/ANTI-MASKING





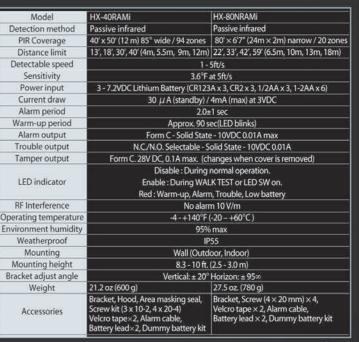
FEATURES

- Includes Inovonics EchoStream EN1941 and battery pre-installed
- Easy short and long range masking with built in flaps and plates (HX-80RAMi)
- Mounting height 8.3ft 10ft
- · Digital anti-masking function
- Low current draw
- Form C alarm output and tamper output
- Selectable NC/NO trouble output
- 180° angle adjustable bracket











Model

Coverage

Detection zones

Sensitivity

Dimesions (H x W x D)

Weatherproof

Series BX-80NRi IMMEDIATE PERIMETER / BOUNDARY PROTECTION



BX-80NR

2.0°C at 0.6m/sec.

80ft x 3ft (40ft on each side)

4 zones (2 zones on each side)

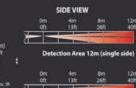


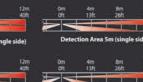
FEATURES

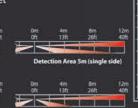
- Includes Inovonics EchoStream EN1941 and battery pre-installed
- Battery saving circuit
- Form C alarm output and tamper output
- Low current draw
- · Limited detection range function
- · Size judging function to avoid false alarms
- · Variable detection range to 24m (12m on each side)

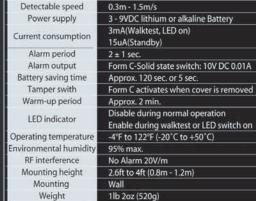
OPTIONS

• BA-1W: Multi angle wall mount bracket



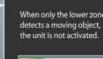






9.16 x 2.16in x 5.04in

IP55



When only the lower zone When only the upper zone When both the upper &

