



AX-100/200TFR

Battery Operated Photoelectric Detector

Features:

- Long battery life AX-100TFR: approx. 5 years AX-200TFR: approx. 3 years
- Easy battery replacement
- Triple tamper functions
- Low battery output and LED indication
- Intermittent output function
- Compatible with numerous wireless transmitters
- Battery saving timer function for wireless transmitters
- International protection IP55
- Easy angle adjustment function
- Beam interruption adjustment function
- 99% Beam blocking stability
- N.C./N.O. output selection switch
- 4 selectable beam frequencies

The new AX-100TFR and AX-200TFR from OPTEx is a revolution in the perimeter security industry, offering a significant cost saving alternative to traditional hardwired system. No trenching is required, drastically reducing installation costs. The unit comes wireless ready with a multifunctional back box and is compatible with most manufactures wireless systems.

The AX-TFR series uses four 3.6V batteries with an average lifespan of 5 years on the 100ft model and 3 years on the 200ft model.



Technical Specifications

Model		AX-100TFR	AX-200TFR
Range		30m	60m
Maximum arrival distance		265m	530m
Detection Method		Infrared beam interruption detection	
Beam frequency selection		4 channel	
Interruption period		Variable between 50, 100, 250, 500 msec (4steps)	
Power Source		3.6V 13.0 Ah: LSH20 lithium batteries manufactured by SAFT (not installed) Transmitter: 2 units Receiver	
Current Draw		620µA T:300µA + R : 320 µA (at 25°C, 3.6 VDC)	810µA T:490µA + R : 320 µA (at 25°C, 3.6 VDC)
Battery Life*	Transmitter	5 Years	3 Years
	Receiver		5 Years
Output	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	
	Low battery output	Form A/B-Solid State Switch: 3.6VDC, 0.01A (Transceiver and Receiver)	
	**Tamper output for front cover	Form 3.6VDC, 0.01A Activates when cover removed (Receiver removed)	
	Tamper output for back box	Form 3.6VDC, 0.01A Activates when either back box or chassis is removed from the installment	
Indicator	Alarm Indicator (Receiver)	1) Light on - IR Beam not received 2) Flickering Light - IR Beams not received sufficiently 3) Light off- IR Beams received	
	Power (Transmitter)	Power ON: ON Power OFF: OFF	
	Low Battery	Voltage reduction:Flicker	
	Operating Temperature	-20°C - +60°C	
Operating ambient humidity	95% Max		
Alignment angle	± 90° Horizontal, ± 5° Vertical		
Mounting	Indoor /Outdoor, Wall Pole/Tower mounting (Optional main unit mounting brackets are required, when the units mount in the tower)		
Weight	1600g (Total weight of transmitter + receiver excluding accessories)		
International Protection	IP55		

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

** The transmitter is also equipped with AX100/200 TFR (BE)

Ordering Information

AX-100TFR	OPX 30m RF Twin Beam unit
AX-200TFR	OPX 60m RF Twin Beam unit
LSH20	Battery for AX-TFR 3.6v 13Ah (SAFT)

For further information on how ADT can help you, contact your local office or phone free on **0800 010 999** or visit us at www.adt.co.uk



Head Office: ADT Fire and Security plc, Security House, The Summit, Hanworth Road, Sunbury-on-Thames, Middlesex TW16 5DB.

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