NO WIRES, NO HASSLES. FINALLY.

- 100ft. (AX-100TFR) and 200ft. (AX-200TFR) Models
- Significant cost saving alternative to traditional hardwired systems
- Long battery life
  [Aprox. five (5) years for the 100TFR and three (3) years for the 200TFR]
- Low battery output and LED
- Works with most manufacturers wireless systems
- D.Q. circuit (environmental disqualification)
- IP 55 Rated
The AX-100/200TFR is a REVOLUTION in the perimeter security industry, offering a significant cost saving alternative to a traditional hardwired system.

- **Advantage of Wireless Photoelectric Detector**
  1. Low installation costs
  2. Quick & easy installation
  3. Flexible location
  4. Wireless stylish design
  5. Free from lightning damage
  6. Compatible with numerous wireless transmitters

**Various mounting patterns**
- Wall mount
- Pole mount (single detector)
- Pole mount (two detectors)
- Beam tower

Optional bracket (MP-4) required.
New features

Long battery life

- AX-100TFR(30m) : Approx. 5 years
- AX-200TFR(60m) : Approx. 3 years

*Use four LSH20 (3.6V, 13Ah) batteries manufactured by SAFT (included).
**Battery life of AX-200TFR receiver is approximately 5 years.

Multi functional back box

Easy battery replacement
It allows you to easily replace the batteries without opening the front cover. Not necessary to do the optical alignment.

Triple tamper functions
Form C output activates when either cover or back box as well as chassis is removed.

Low battery output and LED
The unit automatically outputs when the battery power becomes low.
*To monitor the low battery signal, another wireless transmitter is required.
Low battery LED will flicker when a front cover is removed.

Intermittent output function
Alarm Signals are sent periodically to avoid missed alarm while the beam is broken. Its function is effective for wireless systems which do not recognize “Restore” status.

Battery saving timer
Alarm output activation are limited by a timer to 2 minutes. Even if there are continuous alarm events, the alarm output operates only once in the timer period. It prolongs the battery life of a wireless transmitter.

Basic performance
- 99% Beam blocking stability
- 4 selectable beam frequencies
- D.O.circuit (environmental disqualification)
- N.C./N.O. output selection switch
- A.G.C. circuit
- International protection IP55
- Beam interruption adjustment function
- High grade aspherical lens
- Easy angle adjustment function
SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>AX-100TFR</th>
<th>AX-200TFR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Range</strong></td>
<td>30m (100ft.)</td>
<td>60m (200ft.)</td>
</tr>
<tr>
<td><strong>Maximum arrival distance</strong></td>
<td>265m (870ft.)</td>
<td>530m (1,740ft.)</td>
</tr>
<tr>
<td><strong>Detection method</strong></td>
<td>Infrared beam interruption detection</td>
<td>Infrared beam interruption detection</td>
</tr>
<tr>
<td><strong>Beam frequency selection</strong></td>
<td>4 channel</td>
<td>4 channel</td>
</tr>
<tr>
<td><strong>Interruption period</strong></td>
<td>Variable between 50, 100, 250, 500msec (4 steps)</td>
<td>Variable between 50, 100, 250, 500msec (4 steps)</td>
</tr>
<tr>
<td><strong>Power Source</strong></td>
<td>3.6V 13.0Ah : LSH20 lithium batteries manufactured by SAFT (included)</td>
<td>3.6V 13.0Ah : LSH20 lithium batteries manufactured by SAFT (included)</td>
</tr>
<tr>
<td><strong>Current draw</strong></td>
<td>Transmitter: 2 units</td>
<td>Receiver: 2 units</td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>Transmitter: 5 years</td>
<td>Receiver: 5 years</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Alarm output</strong></td>
<td>Form C-Solid State Switch: 3.6 VDC, 0.01A</td>
<td>Form C-Solid State Switch: 3.6 VDC, 0.01A</td>
</tr>
<tr>
<td><strong>Alarm period</strong></td>
<td>2 sec (+1) nominal</td>
<td>2 sec (+1) nominal</td>
</tr>
<tr>
<td><strong>D.O. output</strong></td>
<td>Form A/B-Solid State Switch: 3.6 VDC, 0.01A</td>
<td>Form A/B-Solid State Switch: 3.6 VDC, 0.01A</td>
</tr>
<tr>
<td><strong>Low battery output</strong></td>
<td>Form A/B-Solid State Switch: 3.6 VDC, 0.01A</td>
<td>Form A/B-Solid State Switch: 3.6 VDC, 0.01A</td>
</tr>
<tr>
<td><strong>Tamper output for Front cover</strong></td>
<td>Form C: 3.6VDC, 0.01A</td>
<td>Form C: 3.6VDC, 0.01A</td>
</tr>
<tr>
<td><strong>Tamper output for Back box</strong></td>
<td>Form C: 3.6VDC, 0.01A</td>
<td>Form C: 3.6VDC, 0.01A</td>
</tr>
</tbody>
</table>

**OPTIONS**

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

Main unit mounting bracket

**DIMENSIONS**

*Specifications and design are subject to change without prior notice.*

**NOTE:**

These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion. These products conform to the EMC Directive 2004/108/EC.

OPTEX INCORPORATED (USA)
13661 Benson Ave. Chino, CA 91710
TEL. 800-966-7839 FAX 909-528-5560
www.optexamerica.com