



**Wireless Linked Emergency Alert Broadcast Systems**

## **Indoor Receiver Unit with Flashing Beacons and Repeater Transmitter**

### **ARX40-FB-R Standalone Visual Alert Flashing Beacon Unit**

***Providing any or all of the following alerts:  
EVACUATION, ALERT, LOCKDOWN, MULTIPLE  
FIRST AID ASSIST, MULTIPLE DURESS ASSIST  
and a variety of NATURAL DISASTER VISUAL  
WARNINGS.***

**Indoor Standalone Units with Flashing  
Beacons and Repeater Transmitter** are  
designed to be mounted indoors.

***for use in Education, Industry, Mining,  
Government, Education, Community, Leisure,  
Medical etc.***

The AARC-EVAC™ **ARX40-FB -R** Standalone Wireless Linked Emergency Visual Alert Flashing Beacon Units, all incorporate an in-built Battery Backup UPS, 4 x Flashing Beacons and a Repeater Transmitter. They are fully self-contained making them ideal for use in locations where there is no existing PA system, or to cover areas not serviced by a PA system or as a full standalone network of units to provide for redundancy if the PA system fails for any reason. These units are used in very high noise environments where use of audio warnings is impracticable or to assist the hearing impaired to be alerted to an emergency situation.

When triggered the unit's Wireless Receiver activates standard emergency alert with the appropriate coloured flashing beacon. The units are designed to operate as a single unit within an AARC-EVAC™ Wireless Emergency Alert System, or as part of a network of self-contained AARC-EVAC™ Standalone units, assisting to create a full Wireless Linked Emergency Siren & Message Broadcast and Visual Alert System.



Units are triggered by wireless signals received from AARC-EVAC

- Handheld or Wall Mounted Alert Panel remote transmitters.
- A wireless signal received from an AARC-EVAC Wireless Signal Repeater Unit.
- The front panel buttons on an AARC-EVAC -PA system Transceiver, Message Player unit.
- An external interface unit EIU transmitter (usually triggered by a Fire Panel),or
- Another Standalone Unit, that has been supplied incorporating a Repeater Transmitter

*There is an extensive range of emergency alerts, any or all, are available in a system, they include:*

**Pre-Evacuation Alert, Evacuation, Lockdown, Multi-Location Duress, Multi-Location FirstAid Assist, Cyclone, Bushfire, Lightning, Tsunami and more.**

All these alerts include clear and concise voice instructions in any language or multiple languages, as required. All the alert sirens and voice messages are customer designated.



Evacuation



Duress



Lock Down



First Aid



All Clear



Alert



Drill

## Specifications

### ARX40-FB-R Indoor Receiver, Visual Alert Unit, includes:

•Digital Wireless Receiver •4x Coloured Flashing Beacons •UPS Backup Battery & Power Management System •Repeater Transmitter

- Radio Frequency Band: UHF 434MHz
- RF Input Sensitivity: -121dBm
- Repeater RF Output: 25mW ERP (Effective Radiated Power)
- Operating range: > 400m Open Air/Line of Sight  
Through & Inside Buildings – Range is dependent on the environment, obstacles, walls, structural materials used, etc.  
50-100m (Typical)
- Secure operation: Each system has unique codes (> 4 billion unique 32Bit digital codes available)
- RC Message Switches: Multiple Audio Sirens, Messages & Alerts, plus Cancel - Typically: Evacuation, Alert, Multiple First Aid Assist, Multiple Duress Assist, Lock Down, various Natural Disaster Visual Warnings
- UPS Backup Battery: 12VDC 7.0AH SLA Battery
- Battery life: >3 years with average use
- Battery Replacement: 3yrs on Annual Maintenance Schedule – Recommended
- UPS Battery Charger: 240VAC – 15VDC Plug Pack Adapter
- UPS -Power Failure Run Time: > 6Hrs  
No Visual Beacons Activated/Standby Use: > 36Hrs

- Antenna: External 325mm whip antenna with N connector
- Battery status warning: Red/Green dual colour LED lamp & warning buzzer
- Size without antenna: 250 x 325 x 140mm (plus antenna if fitted directly to unit)
- Flashing Beacons: RED, AMBER, GREEN, & BLUE Beacons, each with 12x3W LED's-36W max.  
Size: 28 x 112 x 10mm, Weatherproof: IP67, High Intensity LED's  
Construction: Aluminium Base, Optic Lens
  
- Country of Origin: **AARC-EVAC Designed & Manufactured in Australia**

## ORDER CODE

**ARX40-FB-R** AARC Standalone Visual Alert Beacon Unit with Repeater

**Note:** For larger systems the Unit can be supplied with an optional antenna cable and antenna mounting bracket for optimising antenna position.

<b>TXANT-CABLE N-N1.0</b>	AARC RG58 Cable with N Skt - N Plug 1.0Mtr
<b>TXANT-CABLE N-N2.0</b>	AARC RG58 Cable with N Skt - N Plug 2.0Mtr
<b>TXANT-CABLE N-N3.6</b>	AARC RG58 Cable with N Skt - N Plug 3.6Mtr
<b>TXANT-CABLE N-N5.0</b>	AARC RG58 Cable with N Skt - N Plug 5.0Mtr
<b>TXANT-L-BRACKET</b>	AARC Antenna L Mounting Bracket- Suit N Skt Base

**Note:** For antenna cable runs where you need to get through tight places, down wall etc. sometime the large "N" connector can cause issues. Antenna extension RF cables can be supplied with the small "SMA" connector We also supply an adaptor to convert the SMA connector to an N connector.

<b>TXANT-CABLE N-SMA2.0</b>	AARC RG58 Cable with N Skt - SMA Plug 2.0Mtr
<b>TXANT-CABLE N-SMA3.6</b>	AARC RG58 Cable with N Skt - SMA Plug 3.6Mtr
<b>TXANT-CABLE N-SMA5.0</b>	AARC RG58 Cable with N Skt - SMA Plug 5.0Mtr
<b>TXANT-CABLE N-SMA10.0</b>	AARC RG58 Cable with N Skt - SMA Plug 10.0Mtr
<b>LE4091A</b>	RF Plug Adaptor SMA Female Socket to N Male Plug

