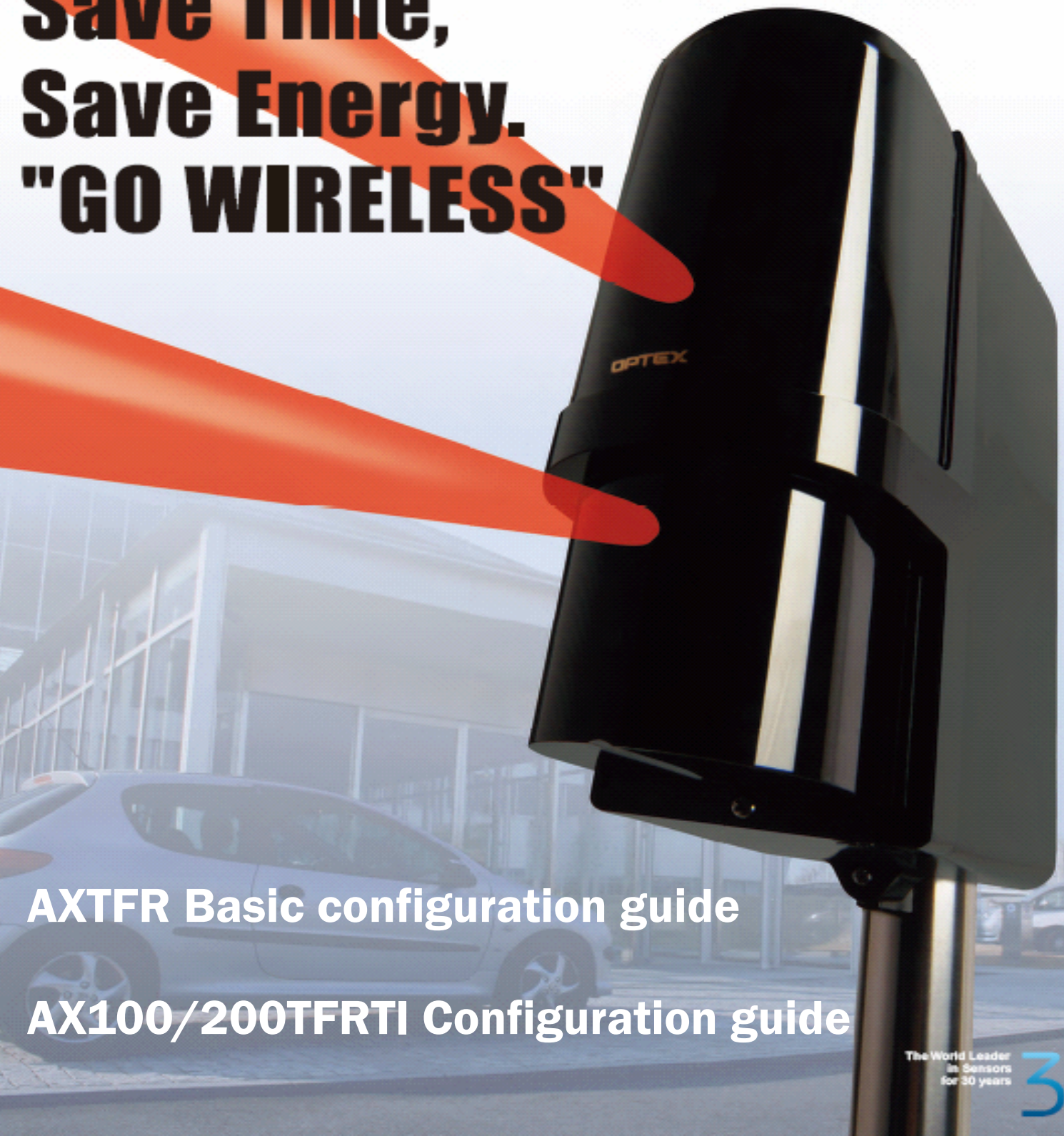
OPTEX

BATTERY OPERATED PHOTOELECTRIC DETECTOR

AX-100/200TFR

WIRELESS

Save Time, Save Energy. "GO WIRELESS"



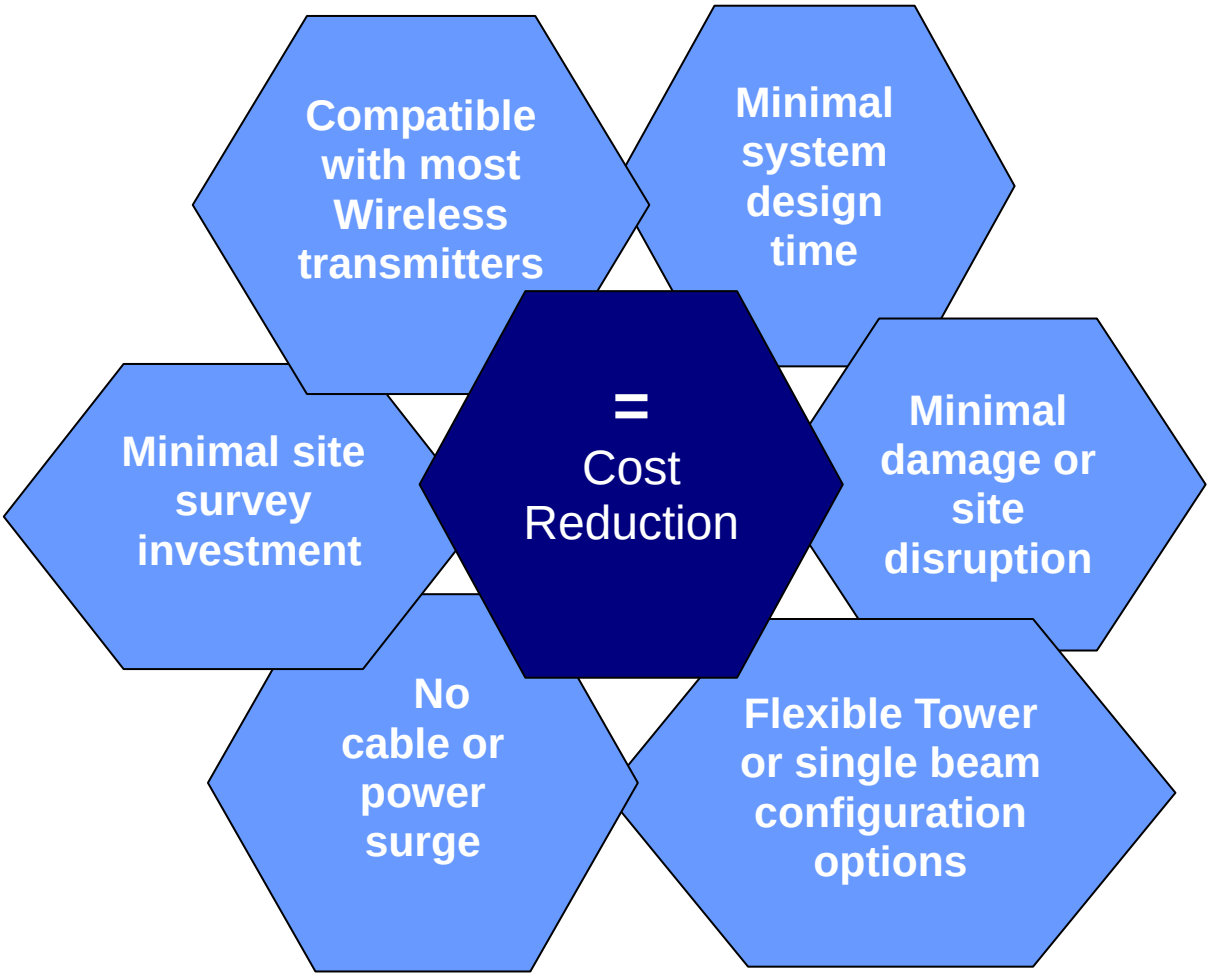
AXTFR Basic configuration guide

AX100/200TFRTI Configuration guide

The World Leader in Sensors for 30 years

AX100/200TFR (30M/60M Battery powered active beams)

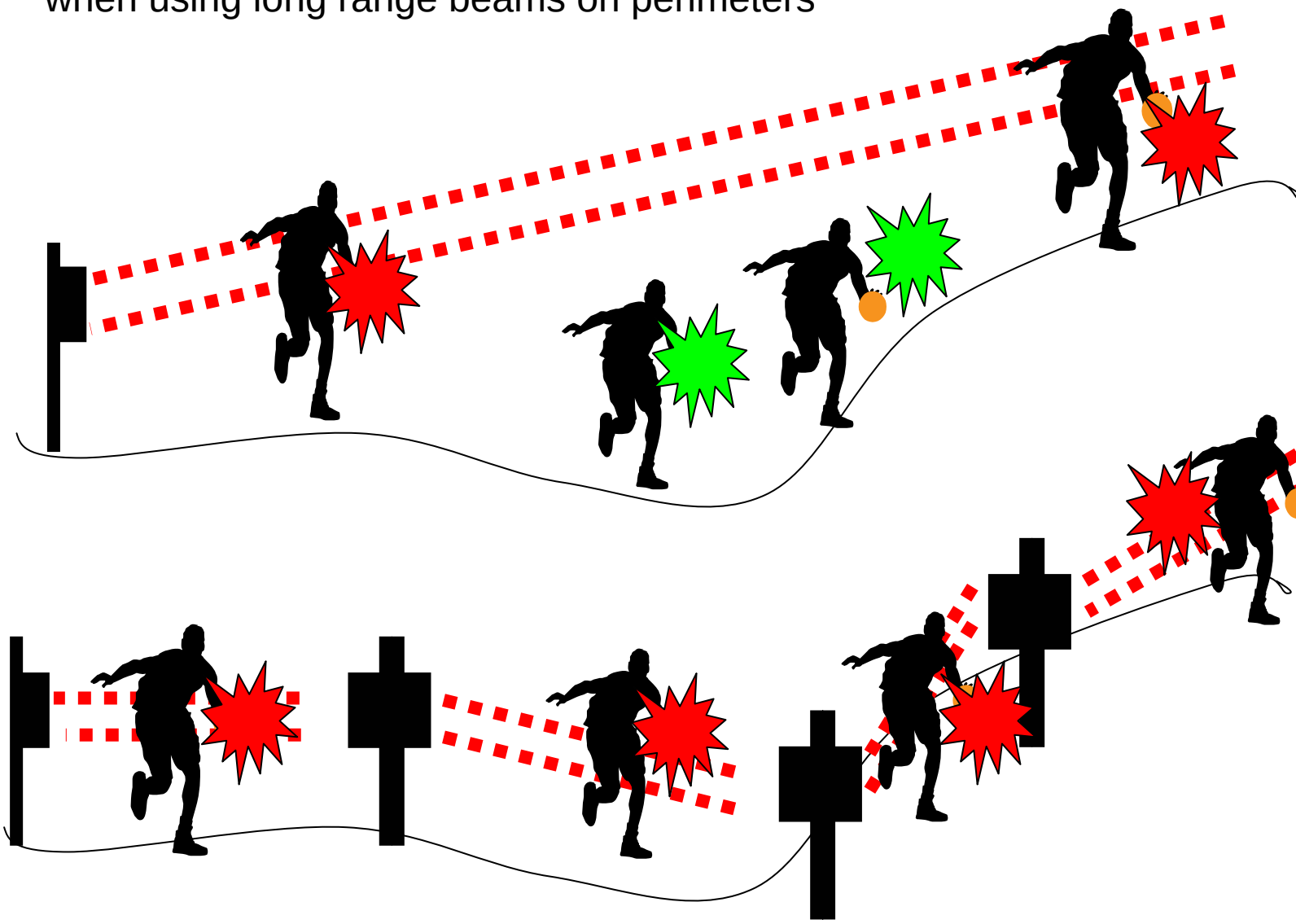
AX100/200TFR set a new benchmark for reliable, flexible, low maintenance external detection systems. CCTV, Intruder, hazard alerts and numerous other applications can be serviced by this flexible battery powered technology



3-5 YEAR BATTERY LIFE

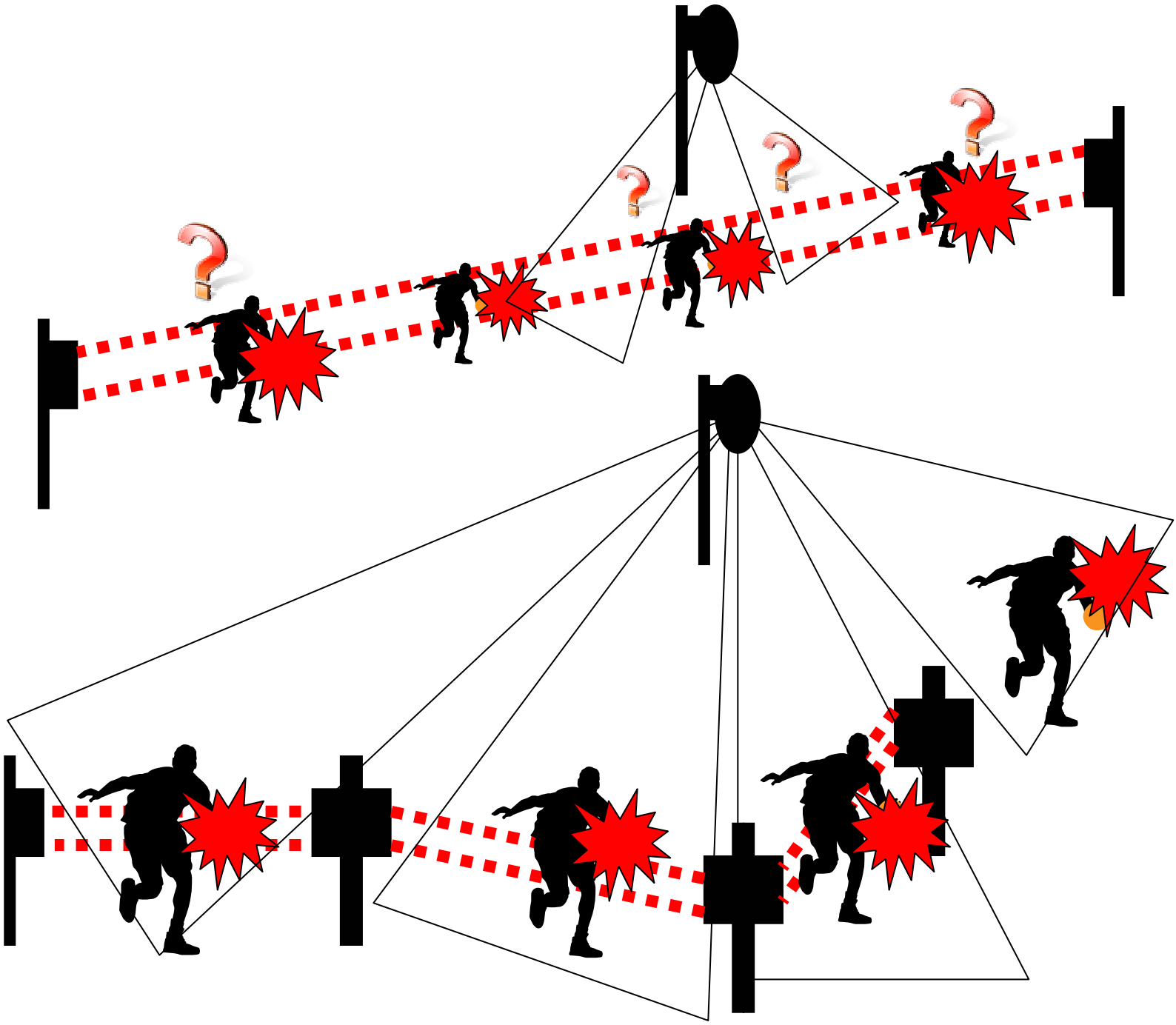
AX100/200TFR (30M/60M Battery powered active beams)

Undulating ground can cause missed alarms
when using long range beams on perimeters



Undulating ground can be easily managed with Battery powered
AXTFR option and prevent missed alarms

In CCTV applications a single long range beam makes it difficult to direct the camera to where the intruder is?



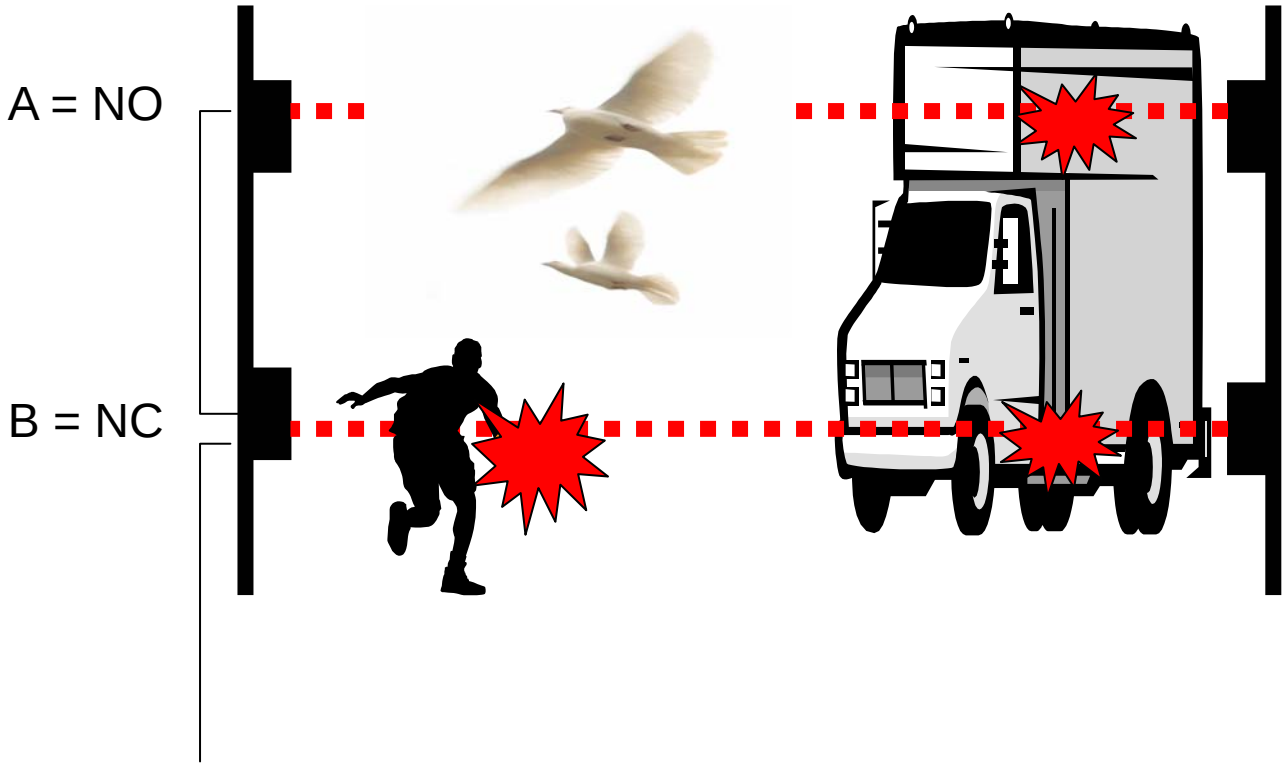
Multiple short range beam can direct PTZ to target position

AX TFR can provide target recognition in areas where activity is expected but needs to be ignored

A ONLY Activated = CLOSED CIRCUIT = No Alarm (Not interesting)

B ONLY Activated = OPEN CIRCUIT = ALARM (Possible threat)

A+B Both Activated = CLOSED CIRCUIT = Truck (Not interesting)



These configurations could be reversed to detect larger targets and ignore others

No need for any power infrastructure means that installation is completed in hours rather than days. This is critical for some public transport and public service sectors

AX100/200TFR (30M/60M Battery powered active beams)

AX100/200 TFR can signal an alarm via wireless, GSM, pager or hardwired connection if available. A typical example of cable use is where existing cables are limited or have been damaged.

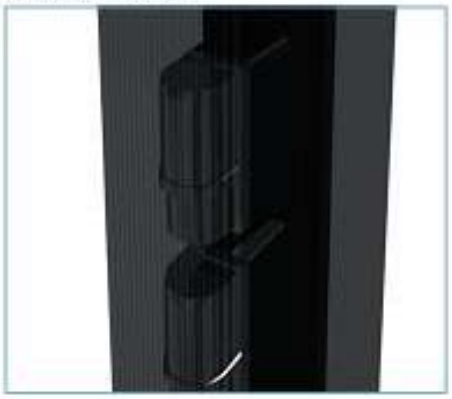
Battery power means that site security can be expanded easily, moved or used as temporary security installations.

Interchangeable signalling mediums means you are never restricted to one protocol. AXTFR can move with the times and your customer needs

WALL MOUNT

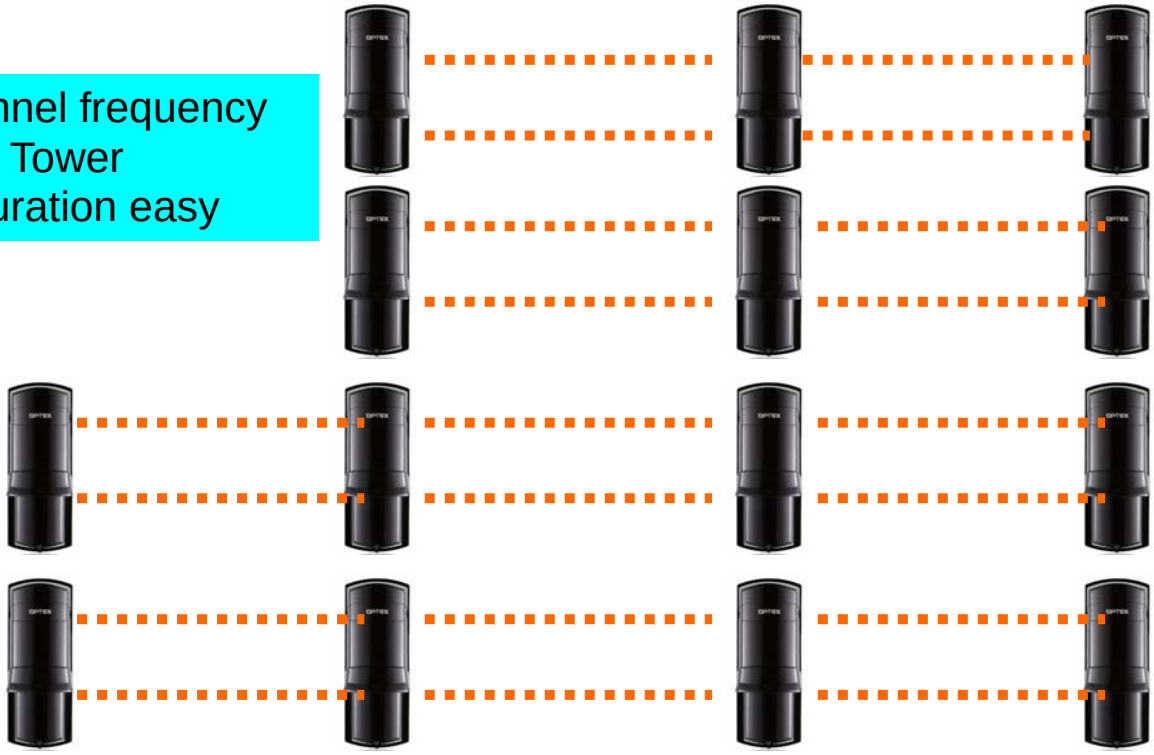
POLE MOUNT

BEAM TOWER



POLE MOUNT

4 Channel frequency makes Tower configuration easy



Simple battery replacement

1st Step

2nd Step

Loosen

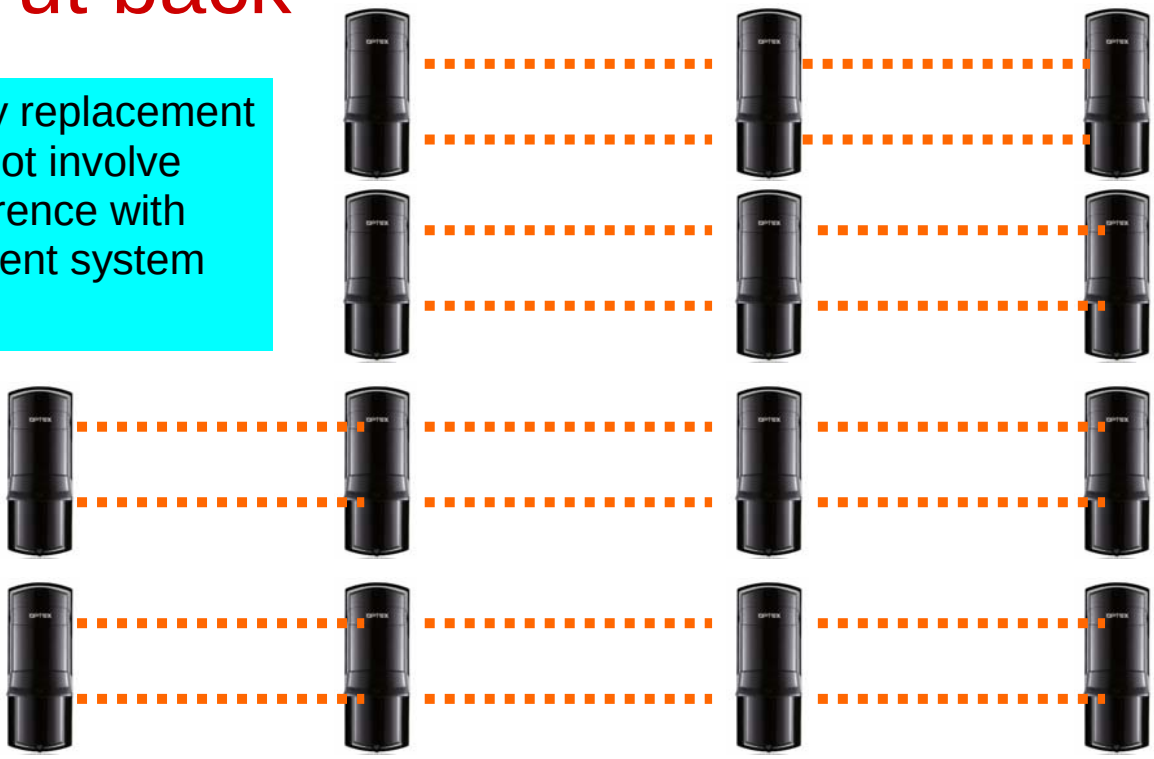
Remove

3rd

4th

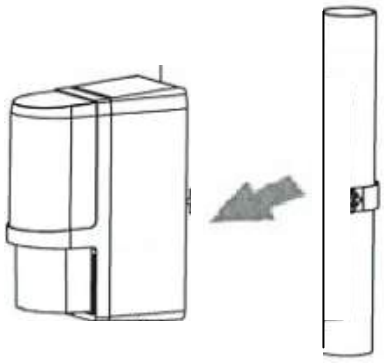
Put back

Battery replacement does not involve interference with alignment system

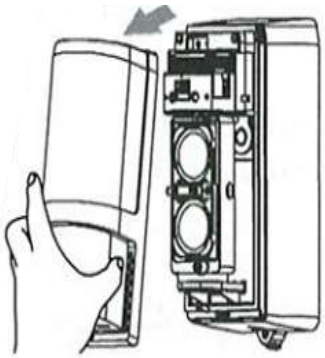


AX100/200TFR (30M/60M Battery powered active beams)

(3)Wall



(1)Front Cover



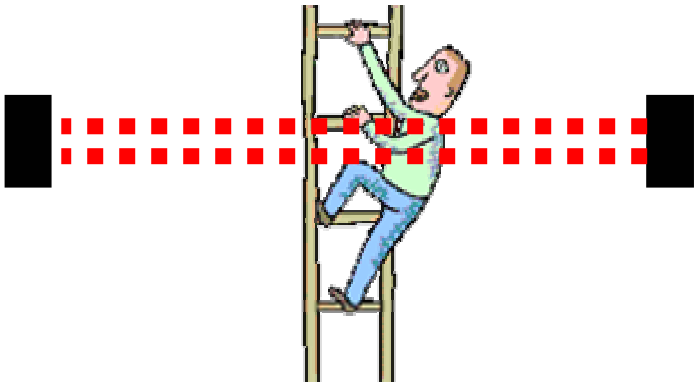
(2)Back Box

Triple tamper

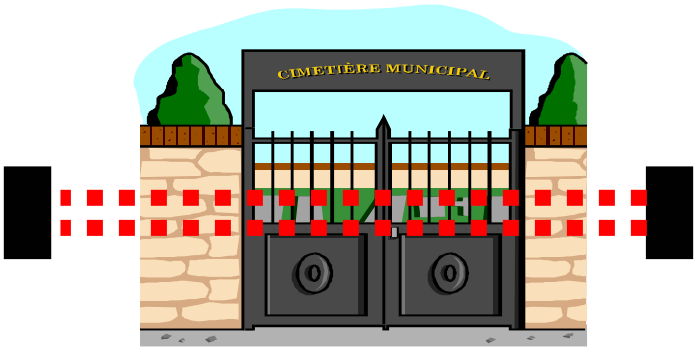
AX TFR can provide security where zone block causes a major problem

Early warning for low bridge

Secure windows and balcony access



Monitor access to roof or fire escape



Driveways and gates for vehicle and pedestrian detection

No mains power supply needed

Simply mount and align the beams

AX100/200TFR (30M/60M Battery powered active beams)

AX100/200 TFR are supplied as standard with no batteries and no wireless transmitters.
This is because the AXTFR can utilize numerous wireless technologies including : Honeywell, Visonic, Scantronics, Inovonics etc

Each set of AX100/200TFR require 4 LHS20 batteries to power the devices. Two for the TX and two for the RX. Based on these batteries the beams can be powered for 5 years (AX100TRF) and 3 years (AX200TFR).

If you wish to signal the output from the device via your choice of wireless technology then you can accommodate the wireless device within the AXTFR housing.

Note there are numerous configurations available. The installer needs to consider the application and signalling requirements.
The following pages are examples of how various configurations are possible using Inovonics wireless products

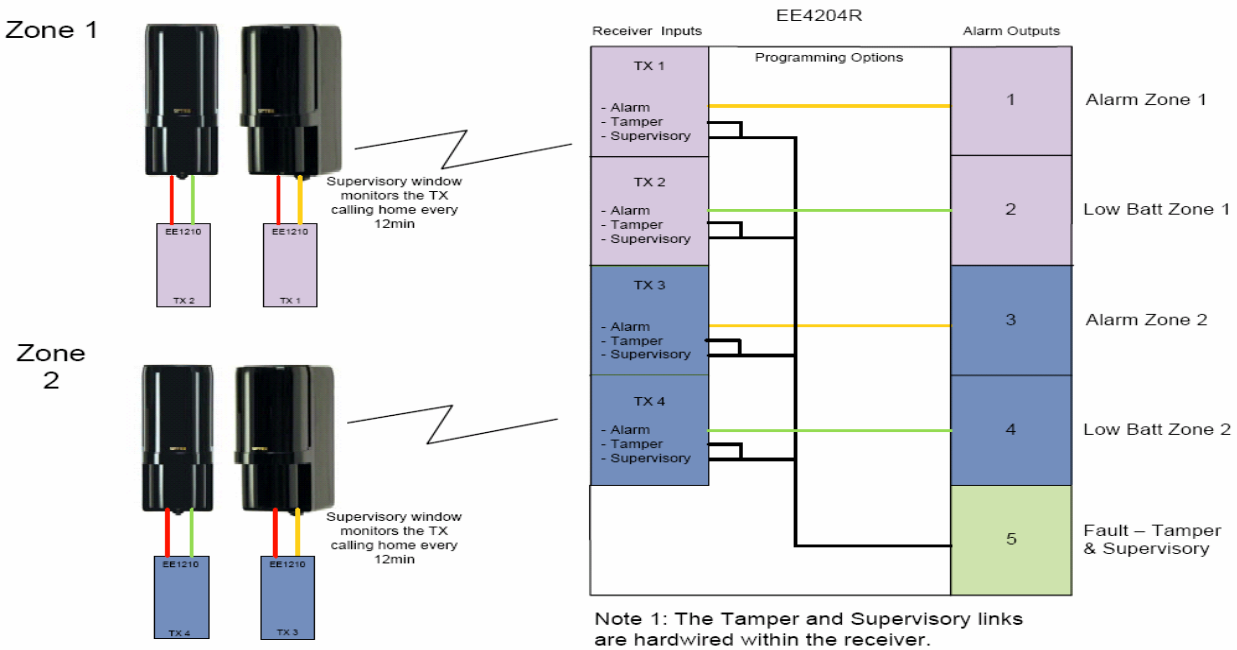
Common option for CCTV or Intruder

Using AX100/200TFRTI Version.
(These can also be used with 16 channel 1216M Receiver)

Here we have 2 sets of beams signalling Alarm, tamper, low battery and supervisory. The EE1210 is fitted at the AXTFR Transmitter and Receiver

Note
Tamper output is common.

Wiring and programming for 2 beam sets using Inovonics transmitters and one 4 channel receiver



Note 1: The Tamper and Supervisory links are hardwired within the receiver.

Key:
- Tamper
- Low Battery
- Alarm

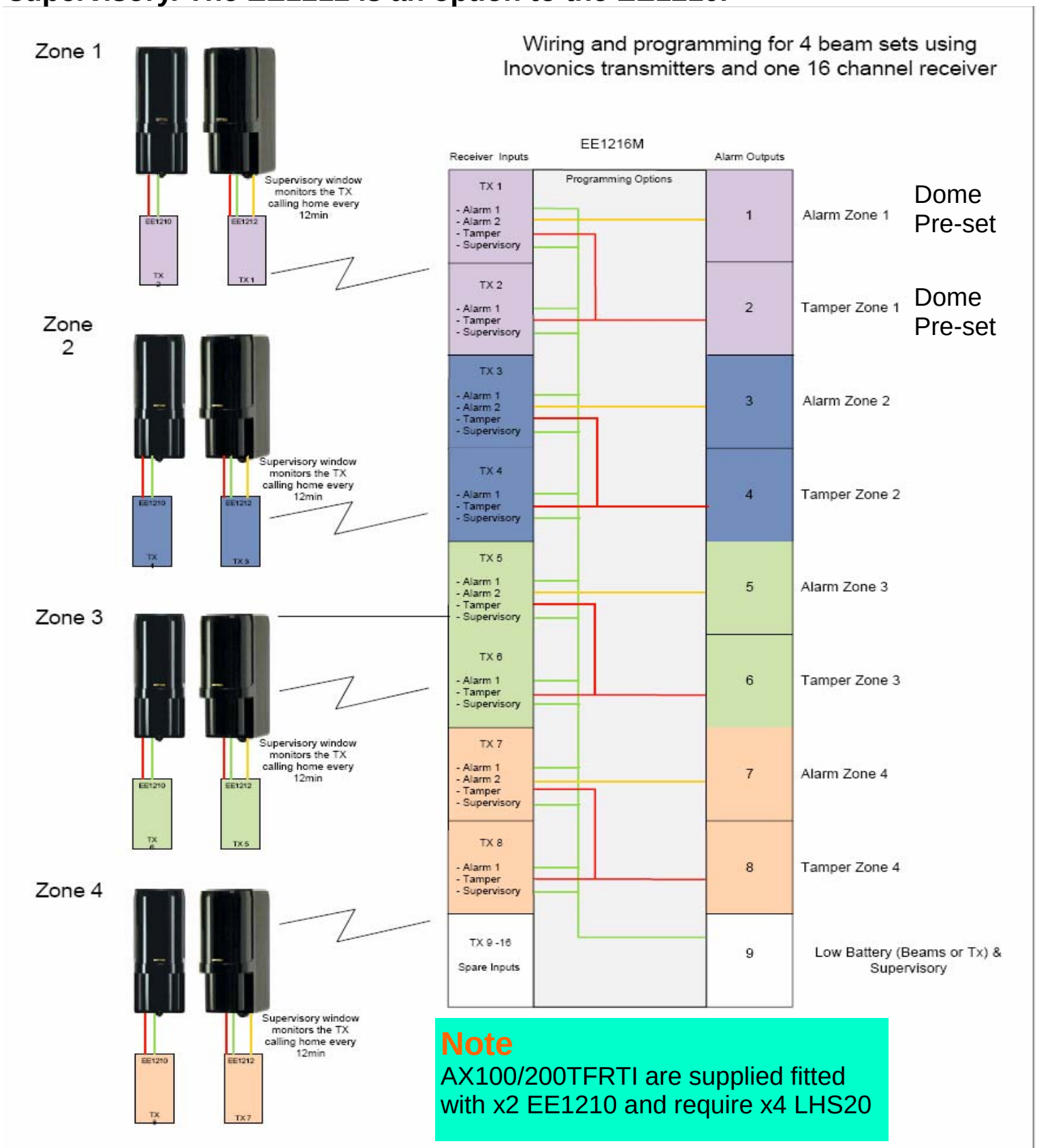
Note 2: For the Fault output it is necessary to interrogate the receiver to determine which zone or fault condition occurs.

Inovonics EE4204R Programming

Drawn By: M.I.P. | V1 | 22nd September 2009

Typical option for CCTV

Here we have 4 sets of beams signalling Alarm, tamper, low battery and supervisory. The EE1212 is an option to the EE1210.



Note

AX100/200TFRTI are supplied fitted with x2 EE1210 and require x4 LHS20

Key:
- Tamper
- Low Battery
- Alarm

Options: Tamper could be programmed to a common output releasing outputs for 3 more zones.

Note: For global outputs it is necessary to interrogate the receiver to determine which zone or fault condition occures.

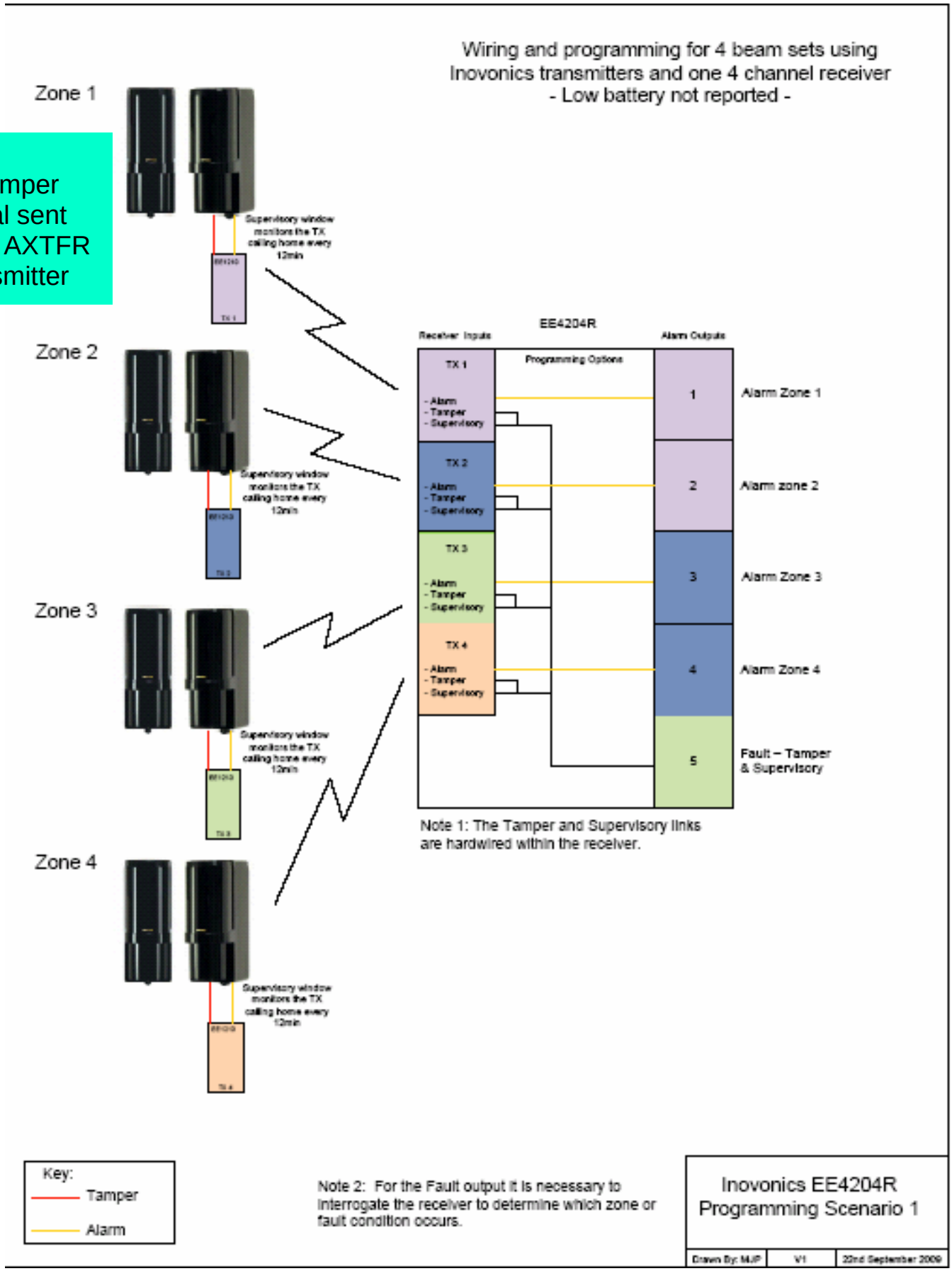
Inovonics EE1216M Programming

Drawn By: MJP	V1	22nd September 2009

Basic option for CCTV or Intruder

Here we have 4 sets of beams signalling limited Alarm, tamper, low battery and supervisory. The EE1210 is fitted only at the AXTFR Receiver

Note
No tamper
Signal sent
From AXTFR
Transmitter



AX-100/200TRF
Supplied as standard with no batteries and no wireless transmitters.

AX-100/200TRFTI
Supplied as standard with no batteries and two EE1210 wireless transmitters.

LHS20 Batteries
Not supplied as standard with any product. Four required for each set of beams

Note for Inovonics recievers
4 Channel receiver has 4 Alarm outputs
16 channel receiver has 9 outputs

Specifications may change without notice. Please contact our office for any site survey assistance or advice you may require on 01628631000