

# WIRELESS SAFETY BEAMS



Safety without compromise or complication. The new Wireless Safety Beams from Automatic Technology make installation and integration of this universally accepted safety “must” a simpler, neater and more cost effective proposition.

## SIMPLE TO INSTALL

The Wireless Safety Beam system comprises three elements. The Base Station is wired into the opener’s terminal block, while the Receiver and Transmitter Units are completely wireless. This allows for greater freedom in choosing the install location for the beams, and removes the need to run wiring, fix conduit, crawl through ceilings or cut concrete.

## LONG BATTERY LIFE

With a potential battery life of up to seven years, the Wireless Safety Beams overcome the historical limitations of other brands’ offerings. This remarkable outcome is achieved by the battery powered Transmitter and Receiver Units utilising two power modes - “Active” and “Hibernation”. The key is the “Hibernation” mode with its extremely low current draw. Given the door or opener spends the majority of its day inoperative, having the Transmitter and Receiver Units draw only microamps when not needed significantly extends battery life.

## RELIABLE WIRELESS LINK

The Base Station communicates with the Transmitter and Receiver Units via a radio link in the 2.4GHz ISM band, similar to Bluetooth® and WiFi devices.

## TRUE BEAM-TO-BEAM SYSTEM

While reflective safety beam systems similarly cut down on installation time, they are inherently susceptible to interference and false readings. Automatic Technology’s Wireless Safety Beam’s are a beam-to-beam system, enhancing reliability and operability.

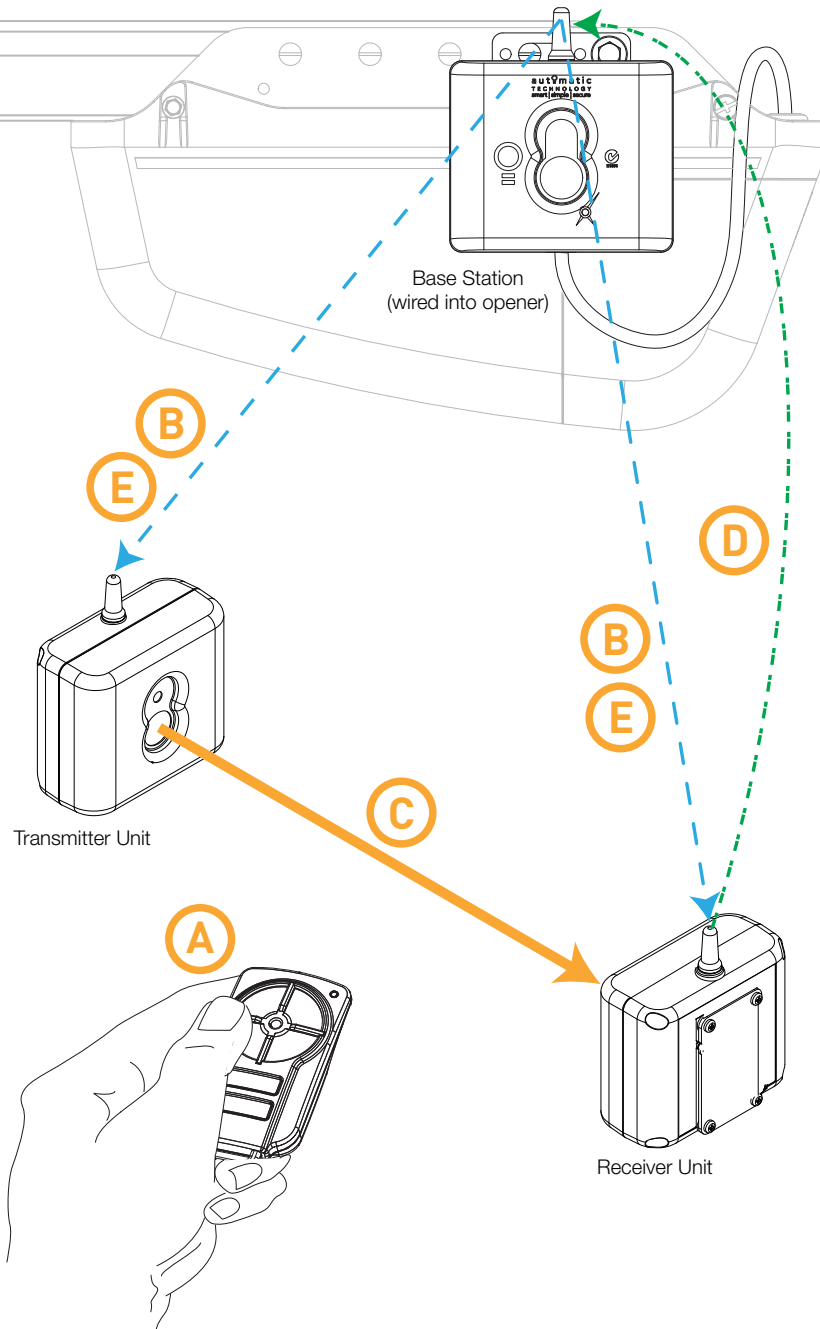
## PRE-PAIRED UNITS

To simplify the installation process further, the Base Station, Transmitter and Receiver Units are pre-paired in the factory. This means setup only requires the Base Station to be connected to the opener, then inserting the batteries into the Transmitter and Receiver Units.



SMART  
SIMPLE  
SECURE

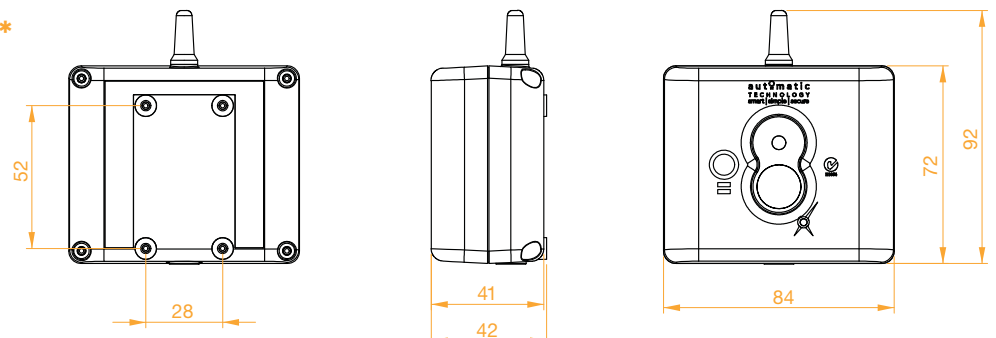
# HOW DO THEY WORK?



- A. Opener is triggered by controlling device (e.g. transmitter, loop detector, swipe card).
- B. The Base Station sends a radio signal to the Transmitter and Receiver Units to “wake-up”. This occurs within milliseconds after the opener is triggered. The Base Station continues to poll the Transmitter and Receiver Units to ensure they are “awake” and functioning.
- C. The Transmitter Unit sends an infra-red beam to the Receiver Unit. It continues to send this beam whilst the door is in motion, and during any preset auto-close time.
- D. Throughout the opener’s cycle, the Receiver Unit communicates to the Base Station that it is receiving the Transmitter Unit’s infra-red beam. If the infra-red beam is broken (i.e. there is an obstruction in the door or gate’s path) it signals the base station to stop and reverse the opener, or when Auto-Close is functional to begin the countdown to close.
- E. At the end of the opener’s cycle, the Base Station signals the Transmitter and Receiver Units to power down into hibernation mode.

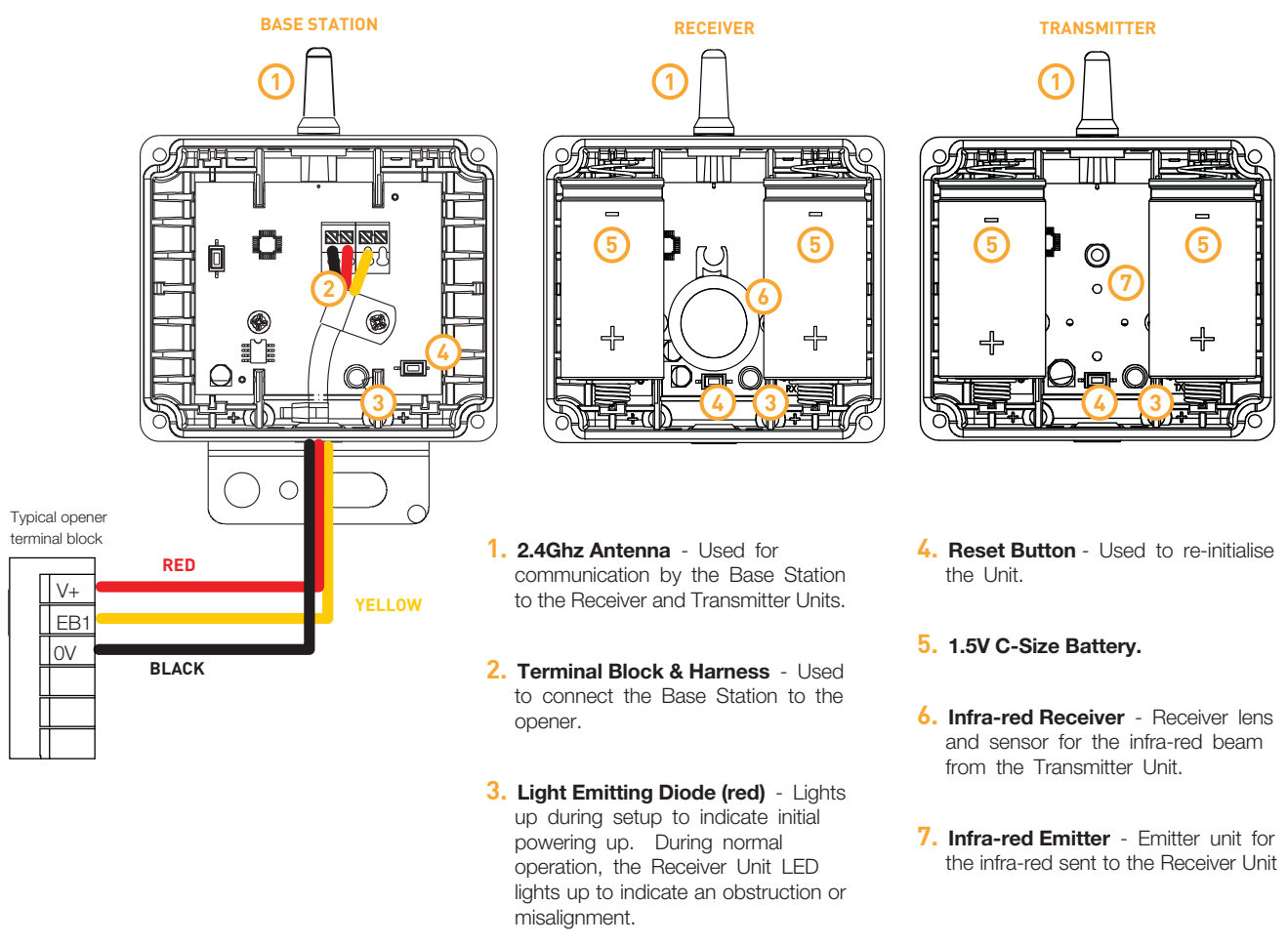
## KEY DIMENSIONS\*

\* The Base Station, Transmitter and Receiver components all share the same housing

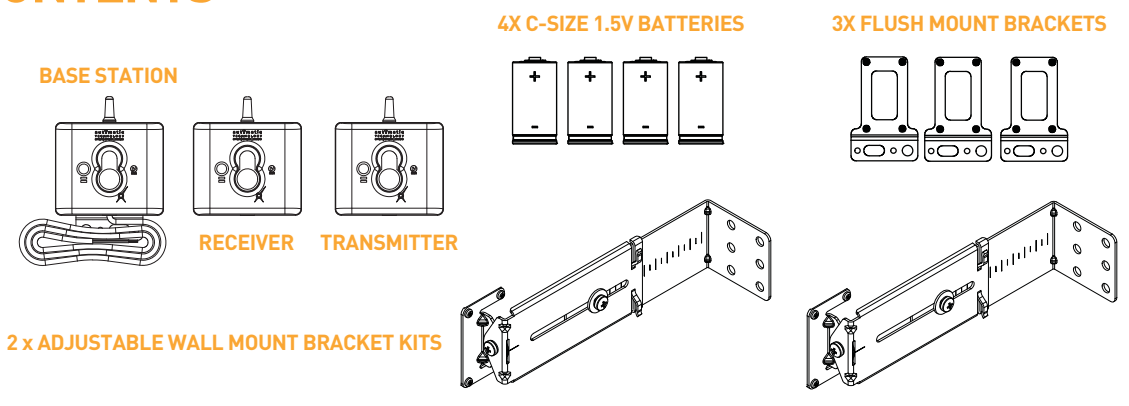




# HOW DO THEY WORK?



## KIT CONTENTS



**SMART**  
**SIMPLE**  
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# WIRELESS SAFETY BEAMS

# TECHNICAL SPECIFICATIONS

GDO-6 EasyRoller® Gen2 Residential Door Opener				
Door Height*	2700mm			
Open Speed	130mm/sec			
Auto-Close Time	Not Set			
<b>Cycles per day**</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
<b>Estimated Battery Life (Years)</b>	<b>7.1</b>	<b>6.3</b>	<b>5.7</b>	<b>5.1</b>

GDO-9 Enduro™ Gen2 Residential Door Opener				
Door Height*	2400mm			
Open Speed	110mm/sec			
Auto-Close Time	Not Set			
<b>Cycles per day**</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
<b>Estimated Battery Life (Years)</b>	<b>7.1</b>	<b>6.3</b>	<b>5.6</b>	<b>5.1</b>

NeoSlider™ Residential Gate Opener				
Gate Width*	4000mm			
Open Speed	200mm/sec			
Auto-Close Time	Not Set			
<b>Cycles per day**</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
<b>Estimated Battery Life (Years)</b>	<b>7.2</b>	<b>6.4</b>	<b>5.7</b>	<b>5.2</b>

GDO-10 Toro™ Commercial Roll Up Door				
Door Height*	3500mm			
Open Speed	120mm/sec			
Auto-Close Time	Not Set			
<b>Cycles per day**</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>
<b>Estimated Battery Life (Years)</b>	<b>5.4</b>	<b>4.1</b>	<b>2.7</b>	<b>1.6</b>

Axess® Pro Series 3110L Industrial Shutter Opener				
Door Height*	4000mm			
Open Speed	250mm/sec			
Auto-Close Time	Not Set			
<b>Cycles per day**</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>
<b>Estimated Battery Life (Years)</b>	<b>6.3</b>	<b>5.2</b>	<b>3.8</b>	<b>2.4</b>

Axess® Pro Series 3110L Industrial Shutter Opener - with Auto-Close timer set up				
Door Height*	4000mm			
Open Speed	250mm/sec			
Auto-Close Time	20 seconds			
<b>Cycles per day**</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>
<b>Estimated Battery Life (Years)</b>	<b>5.7</b>	<b>4.4</b>	<b>3</b>	<b>1.8</b>

\* Door height and gate width is for representative purposes of an average site only.  
 \*\* Estimated battery life figures shown above are indicative only. Actual performance may vary depending upon specific site and usage conditions.

Specifications	
ATA Part #	61957
Infrared Beam Range (approximate)	10 metres
RF Link Range (approximate)	10 metres
RF Link Type	2.4Ghz ISM Band
Battery Type for Receiver/Transmitter Units	2 x C-Size 1.5V,
Battery Storage Capacity (per unit)	6000mAh
Active Power Draw of Transmitter & Receiver Units	2.4mA
Standby (Hibernation) Power Draw of Transmitter & Receiver Units	0.068mA (68µA)
Compatible Units	GDO-6 EasyRoller® Gen2 GDO-9 Enduro™ Gen2  DCB-05v2 Gate Control System NES-24v2 NeoSlider™ GDO-10v2 Toro™ GDO-10v2L2 Toro™ GDO-10v3 Toro™  Axess® Pro Series 3000 with Logics

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