GAL ScanGuard EA3206301

Technical Detail

BROWN
GREY
BLUE

GREY
BROWN
BLACK
BLUE

BLUE
GREY
BROWN

BLUE
BLACK
BROWN
GREY
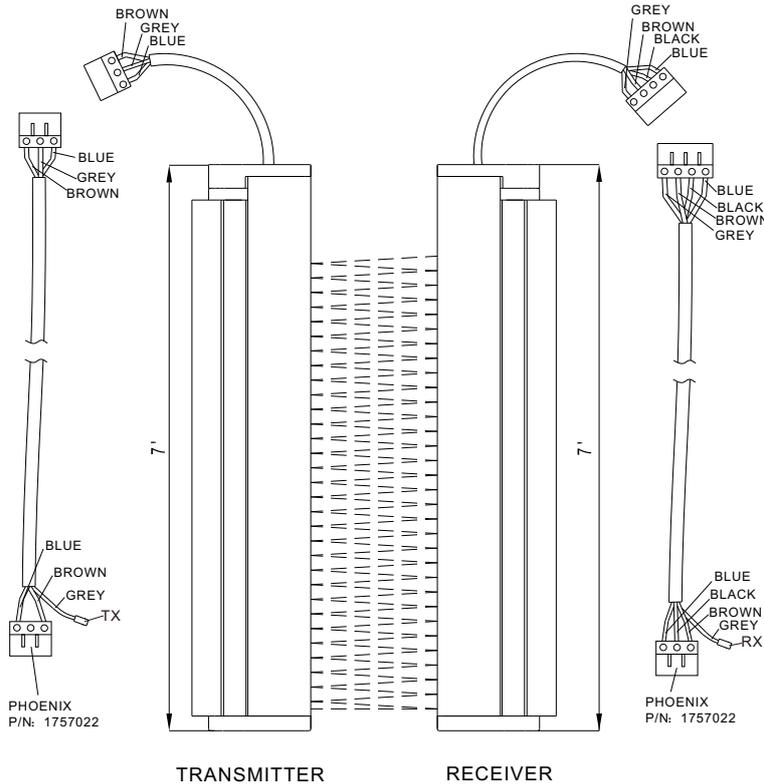
Please ensure the grey wire from TX
is connected to the grey wire from RX

BLUE
BROWN
GREY
TX

PHOENIX
P/N: 1757022

BLUE
BLACK
BROWN
GREY
RX

PHOENIX
P/N: 1757022

TX   RX

Transmitter   Receiver

7'   7'

TRANSMITTER   RECEIVER
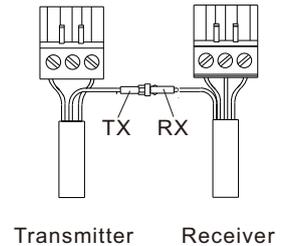
Specification

Detection range	0~6'	
Beam	63 beams	Infrared
Power input	DC24+/-6V，>150mA	
Rated power	<5W	
Cable	0.2m+4m(0.5mm^2) cable	TX: Three-core cable RX: Four-core cable
IP rate	I P54	
Output	NPN collector output	Normally closed
Installation tolerances	Angle	$\pm$10°	
	Horizontal	$\pm\frac{1}{8}$"	
	Vertical	$\pm\frac{3}{8}$"	
Case material	Aluminum alloy	
Filter	Infra-red transparent plastic	Fixed on the case
Green LED	on---power functioning off---power failure	On the top of RX
Red LED	off---no block or no power on---with block or light curtain failure	On the top of RX
Installation kit	Instructions 1 13'extension cable 2 M4x10 screw 20 ST4.8x13 screw 20 ST3.5x10 screw 10 M4 flat washer 20 M5 flat washer 20 M3 spring washer 14 Clip 6 Ribbon (2.5x102mm) 4 Ribbon (3.5x200mm) 4 Foam 6 Ribbon seat 4 Φ3. 6Drilling bit 1 PVC bracket 1 Door bracket 10 Cable fixing frame 2	
Light interference	100,000Lux	
Working and store temperature	-20 to +60°C	
connector	3 terminal Phoenix 1 4 terminal Phoenix 1	
Unit size	$1\frac{3}{16}$"(W)X$1\frac{3}{16}$"(H)X7'(L)	
Packaging	Cardboard tube	

Installation

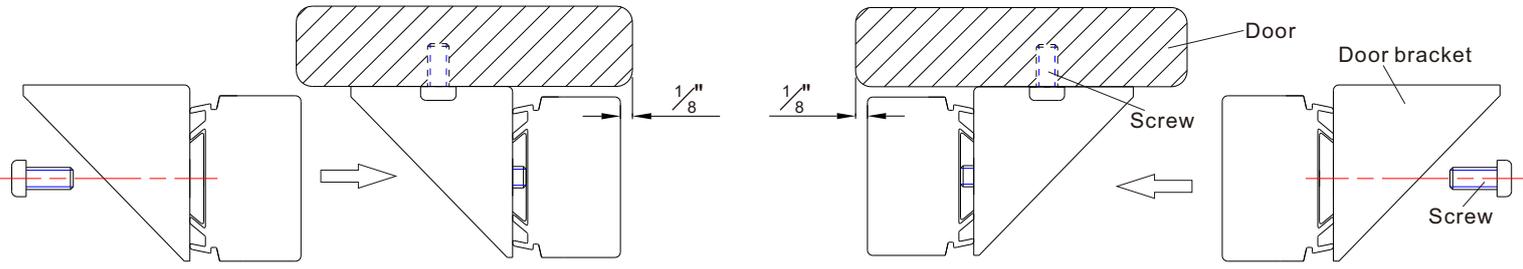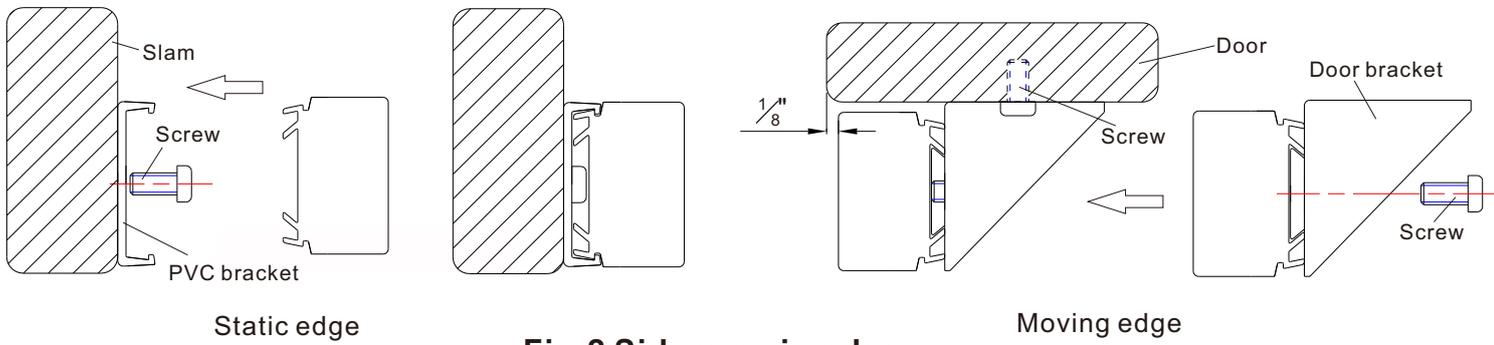| Centre opening doors	RX: Door bracket 5pcs TX: Door bracket 5pcs	Ref. Fig.1
Side opening doors	Static edge: PVC bracket 1pc Moving edge: Door bracket 5pcs	Ref. Fig.2

Fig.1 Center opening doors

Door

Door bracket

Screw

Screw

$\frac{1}{8}$"

$\frac{1}{8}$"

Fig.2 Side opening doors

Slam

Screw

PVC bracket

Static edge

Door

Door bracket

Screw

Screw

$\frac{1}{8}$"

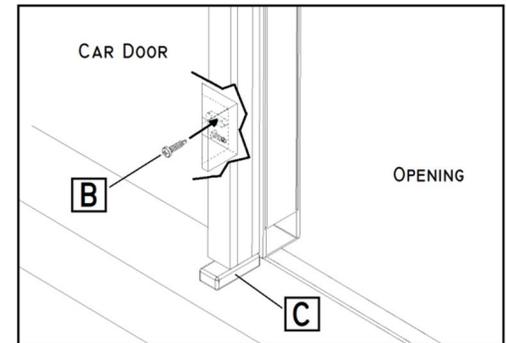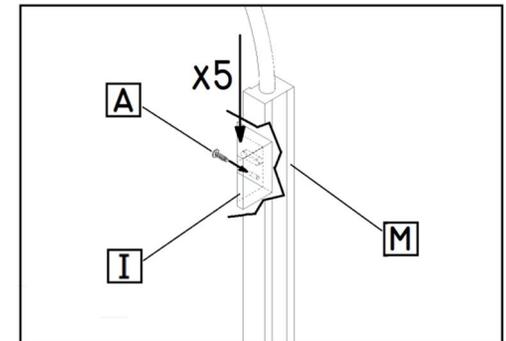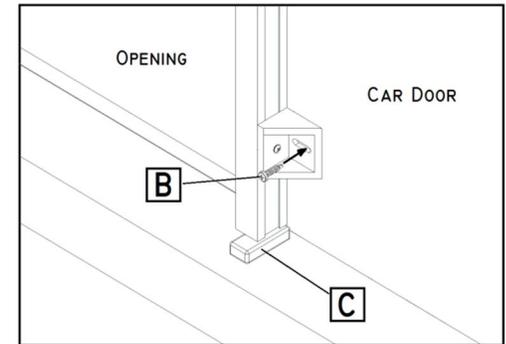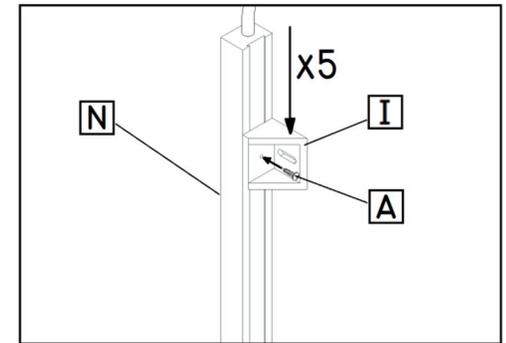Moving edge

EA3206301-ME REV.02

Side Slide Installation

1. Place Receiver Mounting Channel (**J**) against door jamb. With door fully closed, align Channel with edge of door. Raise Channel from door sill using Foam Spacer Block (**C**). Starting from the top, evenly space (5) M4 Drill Point Screws (**B**) along length of Channel to attach to door jamb.

2. Push <u>Receiver Unit</u> (**M**) directly onto Receiver Mounting Channel (**J**) until it completely snaps into place.

3. Evenly space (5) Door Mounting Brackets (**I**) along length of <u>Transmitter Unit</u> (**N**). Use M3.5 x 8 Screw (**A**) to secure each bracket to the Transmitter Unit. Screw (**A**) does not penetrate Transmitter (**N**). **DO NOT** over tighten.

4. Place Transmitter against door. Place Foam Spacer Block (**C**) between Transmitter and sill. Secure each bracket to car door with M4 Drill Point Screw (**B**). Face of Transmitter Unit should be at least 1/4″ away from face of Receiver when door closed.
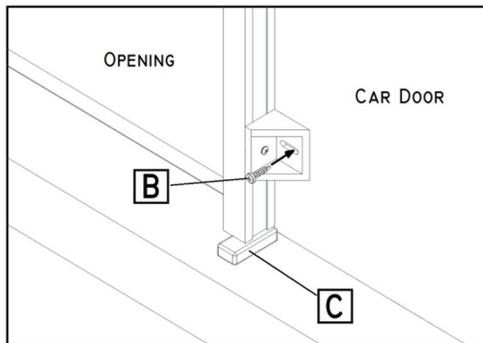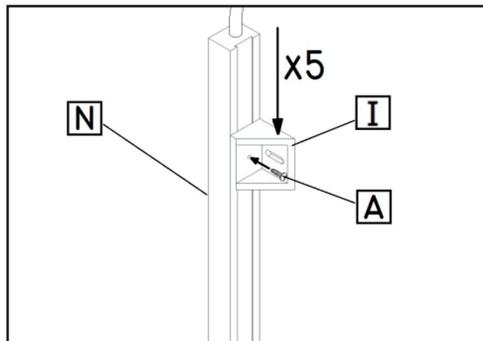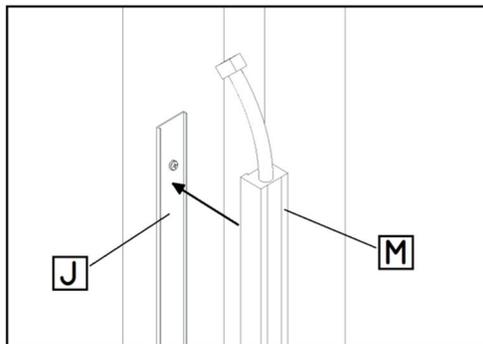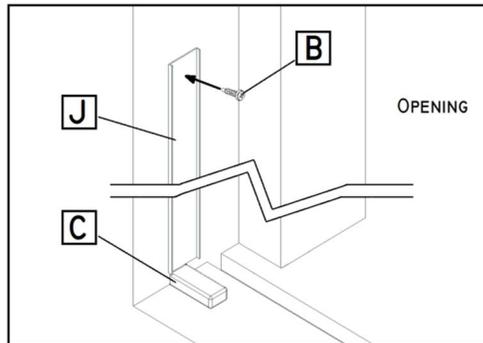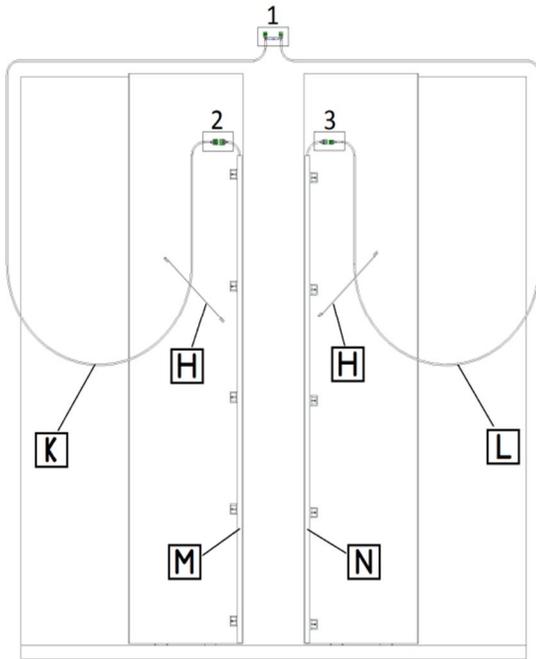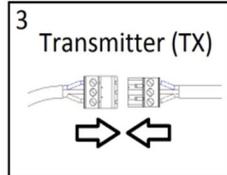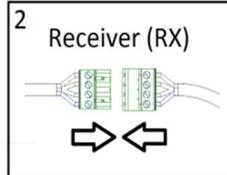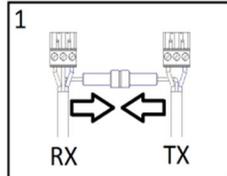

Center Parting Installation

1. Evenly space (5) Door Mounting Brackets (**I**) along length of <u>Transmitter Unit</u> (**N**). Use M3.5 x 8 Screw (**A**) to secure each bracket to the Transmitter Unit. Screw (**A**) does not penetrate Transmitter Unit (**N**). **DO NOT** over tighten.

2. Place Foam Spacer Block (**C**) between Transmitter Unit and sill, secure each bracket to car door with M4 Drill Point Screw (**B**). Face of Transmitter Unit should be back 1/8″ from leading edge of door.

3. Evenly space (5) Door Mounting Brackets (**I**) along length of <u>Receiver Unit</u> (**M**). Use M3.5 x 8 Screw (**A**) to secure each bracket to the Receiver Unit. Screw (**A**) does not penetrate Receiver Unit (**M**). **DO NOT** over tighten.

4. Place Foam Spacer Block (**C**) between Receiver Unit (**M**) and sill, secure each bracket to other car door with M4 Drill Point Screw (**B**). Face of Receiver Unit should be back 1/8″ from leading edge of door.

Technical Detail

Ensure grey wire from TX is connected to grey wire from RX

1
RX → ← TX

2 Receiver (RX) → ←

3 Transmitter (TX) → ←

Installation Kit Contents

Item	Hardware	Qty
A	M3.5 x 8 Phillips Thread Forming Screw	12
B	M4 x 12 Round Washer Head Drill Point Screw	20
C	Foam Spacer Block (for installation only)	1
D	Cable Clip - 6mm Ø (0.25")	6
E	Cable Tie Mount	4
F	Cable Tie - 100mm (4")	4
G	Cable Tie - 200mm (8")	4

Item	Components	Qty
H	Cable Retention Frame	2
I	Door Mounting Bracket	10
J	Receiver Mounting Channel - 2.1m (84") - not shown	1
K	Receiver (RX) 4-Core Extension Cable - 4.1m (13') - not shown	1
L	Transmitter (TX) 3-Core Extension Cable - 4.1m (13') - not shown	1
M	Receiver Unit (RX) - 2.1m (84") - not shown	1
N	Transmitter Unit (TX) - 2.1m (84") - not shown	1

Specifications

Detection Range	0'-6'	
ScanGuard Dimensions	1.18" (W) x .81"(H) x 7'(L)	
Receiver (Rx) Rated Voltage	24 VDC/40 mA	
Transmitter (Tx) Rated Voltage	24 VDC/80mA	
Enclosure Rating	IP54	
Operating Temperature	-4°F - 140°F (-20°C - 60°C)	
Installation Tolerances	Angular	± 10°
	Horizontal	± 1/8"
	Vertical	± 3/8"
Electrical Connectors	Transmitter (Tx)	3 Terminal Phoenix
	Receiver (Rx)	4 Terminal Phoenix
Status LEDs	Green	(On) Power Functioning
		(Off) Power Failure
	Red	(On) Object Blocking Light Curtain or Curtain Failure
		(Off) No Object Blocking Curtain or Power Failure