CONTROL · SMART · SAFETY

DOOR SOLUTION FOR FUTURE

Power by FORCEDOOR / FMK

FORCE DOOR   FMK MOTORIZED

In order to provide users with a more comfortable and intelligent living environment.
we keep in deeply developing the door operators, in addition, now we also providing
customers with smart access and smart security products.

All of our smart access products can be added and controlled in the APP. Besides,
users can check the status of all the products in the security center like records,
suggestions, reminders and reports for maintenance.

TABLE OF CONTENTS

COMPANY

Wuxi

HEADQUARTERS

IOT R&D CENTER

Shenzhen

ACCESS CONTROL

WiFi
Signal

Wireless
Wicket Door
(STOP FUNCTION)

Wireless Slack
Rope Switch
(STOP FUNCTION)

Wireless
Photo Beam
(REVERSAL FUNCTION)

Wireless
Safety Edge
(REVERSAL FUNCTION)

Postion
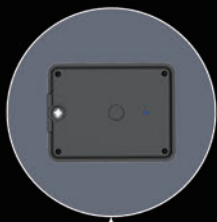Sensor

SMART ACCESS CONTROL

Six-axis gyroscope for wireless tilt sensor to learn your position of your garage/industrial door, Monitors your garage/industrial door status.

F-CAM

5-24 V

Support garage doors and industrial door drive heads supply power

WTS

CONTROL UNIT

Connected to all types garage door and industrial door drives through wires

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and tilt sensor.

F-BOX

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to control all sectional garage/industrial doors by "F-linX" APP
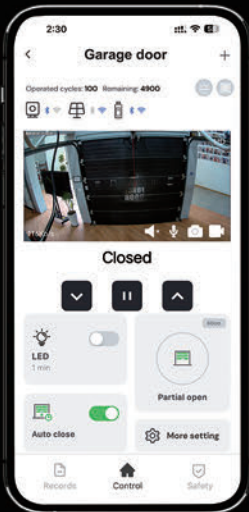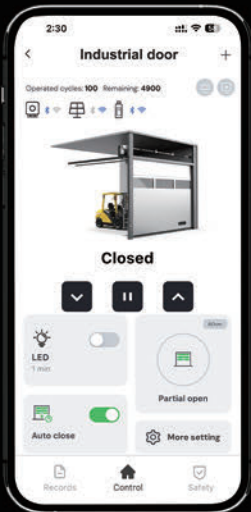
F-linX

Get it on **Google Play**

Download on the **App Store**

6

SMART ACCESS CONTROL

UNIVERSAL SMART CONTROL KIT

F-BOX-TILT   Art No: 20412003

"F-box-tilt" kit is an universal smart control system by smart phone, just need the "F-box-tilt" kit to allow you can control your garage/industrial doors everywhere of the world, make your garage/industrial to be a part of your smart life.

F-box * 1

Wireless tilt sensor * 1

WIRELESS TILT SENSOR

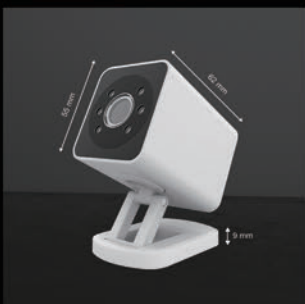### WTS   Art No: 20206009

Six-axis gyroscope for tilt sensor to learn your position of your garage/industrial door, monitors your garage/industrial door status.

Power supply	3V
Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Operating temperature	-20ºC - + 60ºC

UNIVERSAL SMART CAMERA

F-CAM   Art No: 20206013
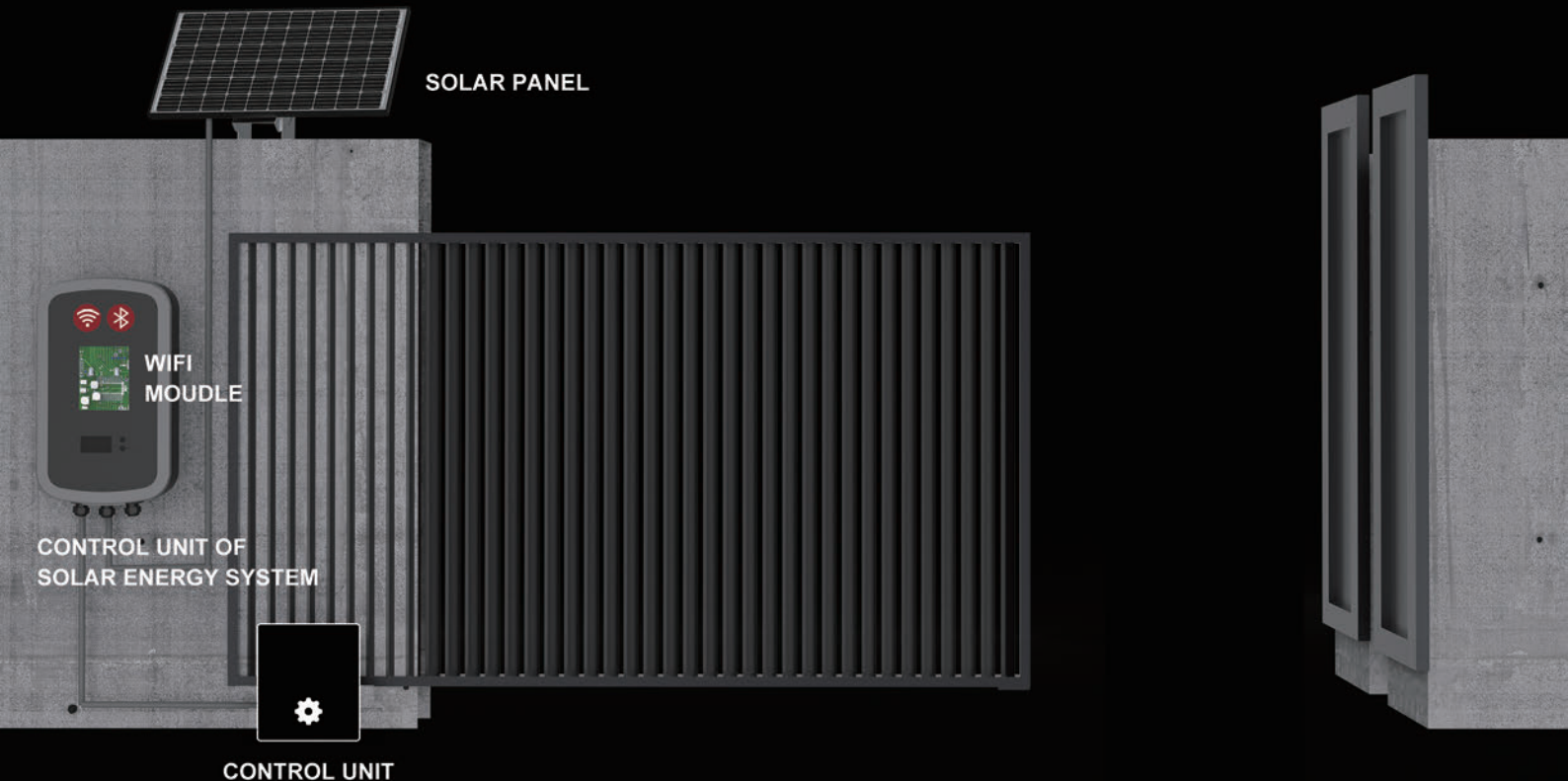
Pixels	3 million
Power supply	5V-24V
Dual frequency	2.4G + 5G
Degree of protection	IP66
Night vision	6 fill lights

Support cloud and T card storage

Support montion detection, send you a thumbnail alert and notifications

Two-way audio, you can listen and talk remotely from your phone

SMART ACCESS CONTROL

Solar energy system for door and gate automation.

SOLAR PANEL

WIFI MOUDLE

CONTROL UNIT OF SOLAR ENERGY SYSTEM

CONTROL UNIT

SMART CONNECT

F-linX

The solar energy system support optional wifi moudle to linked with "F-linX" APP

Input

Output 5V 12V 24V

Connecting to motors Open/Stop/Close ports

Connecting to motors PB port
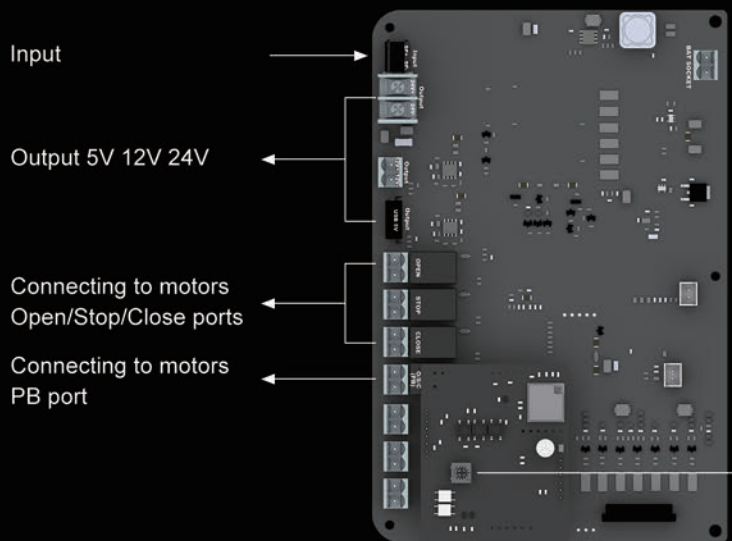
Low Power Consumption Mode (LPC)

The system will cut off the power supply to the motor when the door stopped for a certain time, so the battery lasts much longer.

The time can be chosen from 1 minute to 10 minutes (default 1 min).

10 Minute

1 Minute
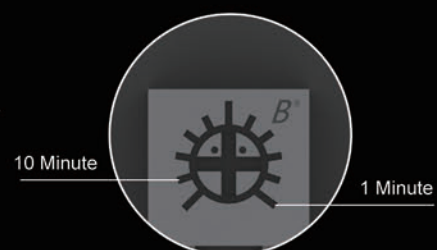
SOLAR ENERGY SYSTEM

F-SUN 01   Art No: 20206012

20W solar panel	*1
Control unit	*1
Solar panel bracket	*1
4.5Ah lithium battery	*1
Transmitter	*1
Connection cable	*2
Screw bag	*1
User manual	*1

F-SUN 02   Art No: 20206014

40W solar panel	*1
Control unit	*1
Solar panel bracket	*1
9Ah lithium battery	*1
Transmitter	*1
Connection cable	*2
Screw bag	*1
User manual	*1

SOLAR ENERGY SYSTEM

20W solar panel + bracket

20SP-B Art No: 20412001
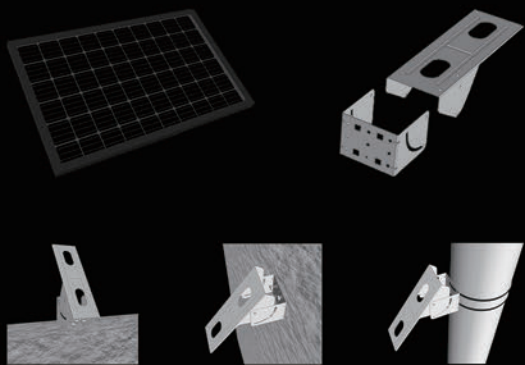
Short circuit current (Isc)	0.95A
Maximum power voltage (Vmp)	24V
Maximum power current (Imp)	0.84A
Open circuit voltage (Voc)	28.3V
Dimension	340*410*25mm

40W solar panel + bracket

40SP-B Art No: 20412002
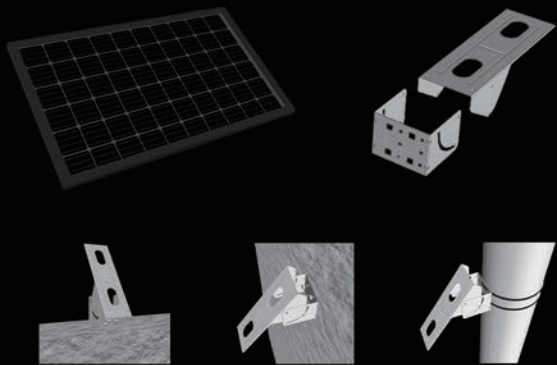
Short circuit current (Isc)	1.75A
Maximum power voltage (Vmp)	24V
Maximum power current (Imp)	1.67A
Open circuit voltage (Voc)	28.3V
Dimension	670*410*25mm

Lithium battery 4.5Ah

S-LB 01 Art No: 10906012

22.2V 4.5Ah

Lithium battery 9Ah

S-LB 02 Art No: 10906013

22.2V 9Ah

Wifi module

S-WIFI Art No: 10402081

Linked with F-linX APP

CONTROL UNIT

WIRELESS WICKET DOOR SWITCH

WIRELESS E-LOCK

SLACK ROPE SWITCH

SLACK ROPE SWITCH

WIRELESS SAFETY JUNCTION BOX (DUAL)

WIRELESS PHOTO BEAM

OPTICAL SAFETY EDGE
AIR SWITCH

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety accessories.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety and security of the door and gates.

SAFETY SYSTEM

F-BOX

- WIRELESS WICKET DOOR SWITCH
- WIRELESS PHOTO BEAM
- WIRELESS OPTICAL SAFETY EDGE
- WIRELESS AIR SWITCH
- WIRELESS SLACK ROPE SWITCH
- WIRELESS E-LOCK

F-linX

Get it on
Google Play

Download on the
App Store

SAFETY SYSTEM

WIRELESS WICKET DOOR SWITCH KIT

F-WICKET   Art No: 20412004

F-BOX

W-TX

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity
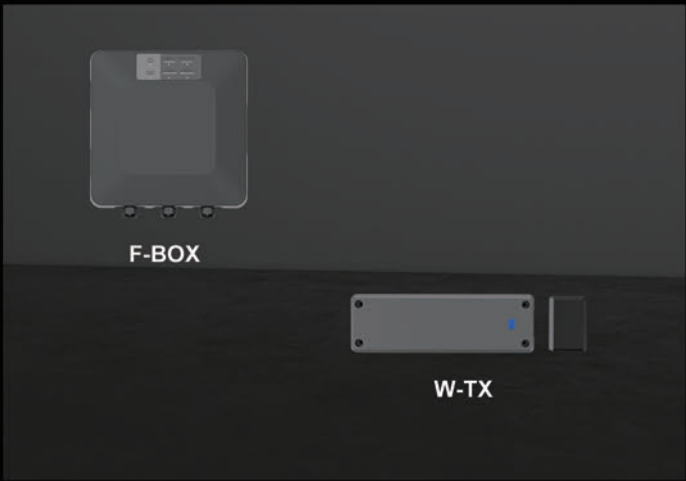
CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wicket transmitter for wicket doors.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wicket door switch of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR WICKET DOORS

F-BOX Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

WICKET TRANSMITTER FOR WICKET DOORS

W-TX Art No: 20206004

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Magnetic sensor, contact-free magnetic detector

Height adjustable mounting base for the various wicket doors frame

Range between transmitter and sensor: 30mm

Trio-Frequency technology for anti-interference

Approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS PHOTO BEAM KIT

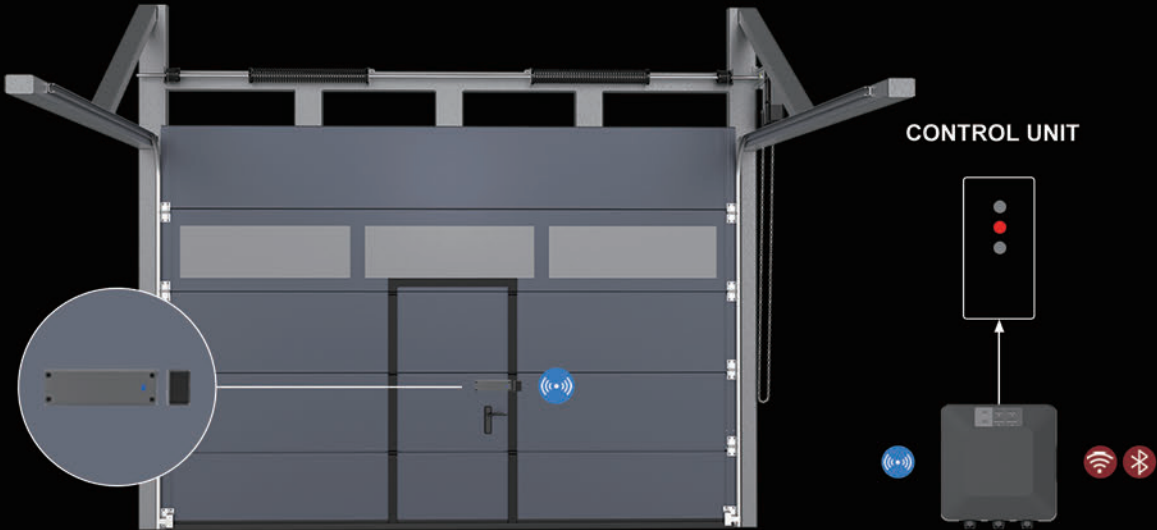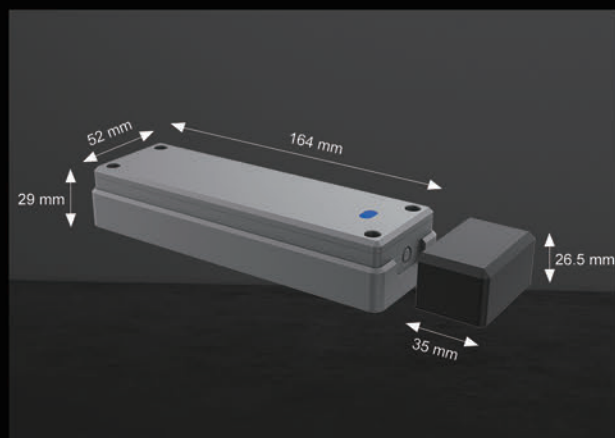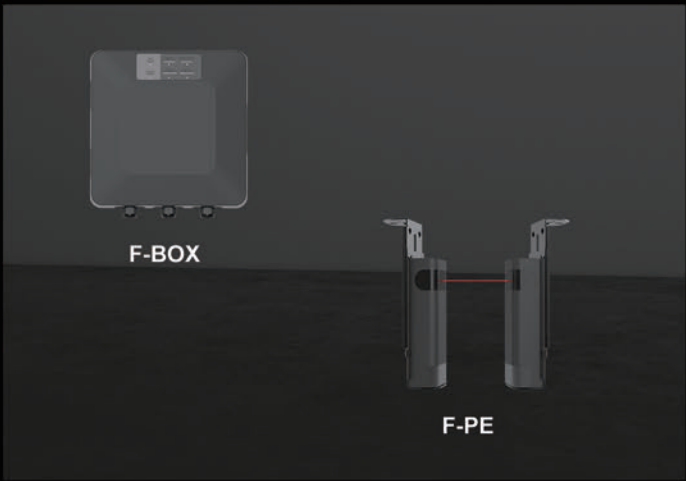**F-BEAM**   Art No: 20412005

F-BOX

F-PE

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless photo beam.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless photo beam of the door and gates.

F-linX

Get it on
Google Play

Download on the
App Store

SAFETY SYSTEM

RECEIVER FOR PHOTO BEAM

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR PHOTO BEAM

F-PE   Art No: 20206010

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
Operating consumption	7 meters - 35ua
	10 meters - 49ua
RX consumption	Operation - 5.3mA
	Standby - 60ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

Advantage

Complete wireless TX and RX infrared beam with built in 3.6V lithium battery
Trio-Frecuency technology for anti-interference
Both the transmitter and the receiver are connectable to the contact of a mechanical or resistive safety edge with NC or NO contacts
Adjustable switch to adjust the infrared beam transmitting power for various environment
Low standby and low operating consumption, approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS SAFETY EDGE KIT

F-EDGE 02   Art No: 20412006

SE-TX 02

F-BOX

RESISTIVE BAND 8K2   OPTICAL BAND   ELECTROMECHANICAL BAND
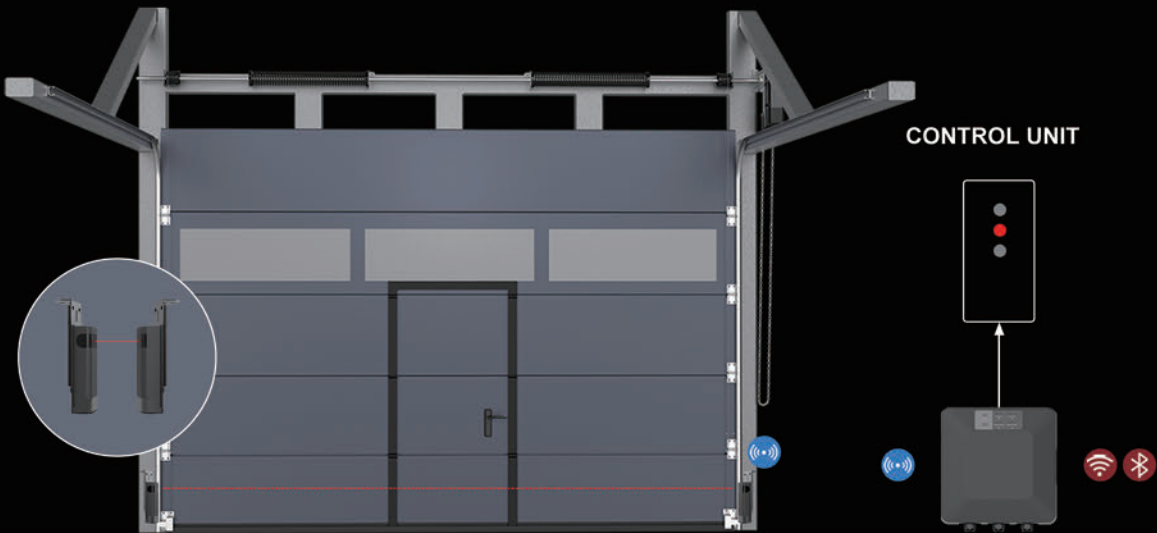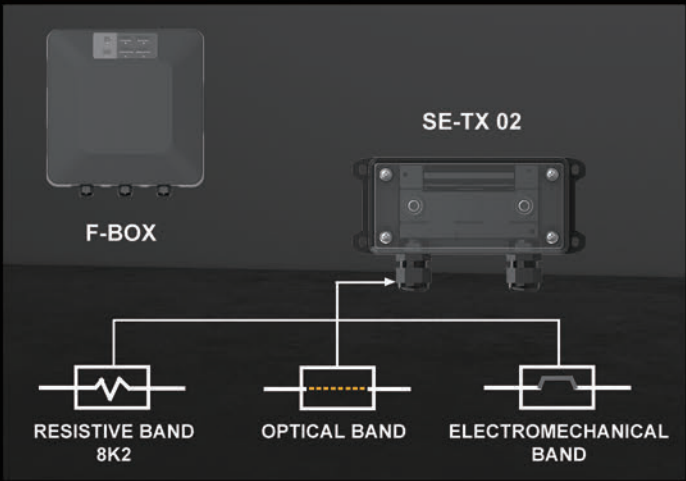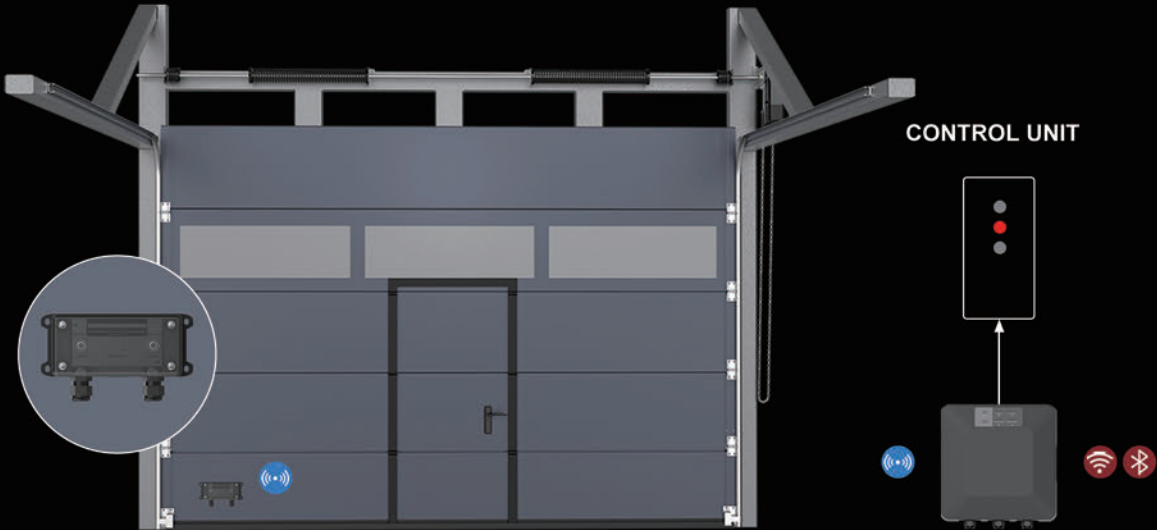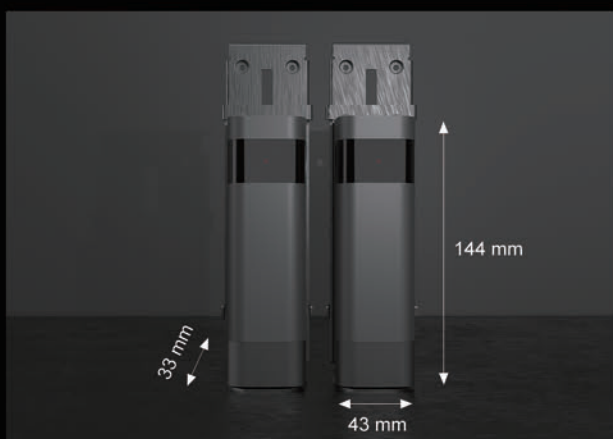
SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for safety edge.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety edge of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

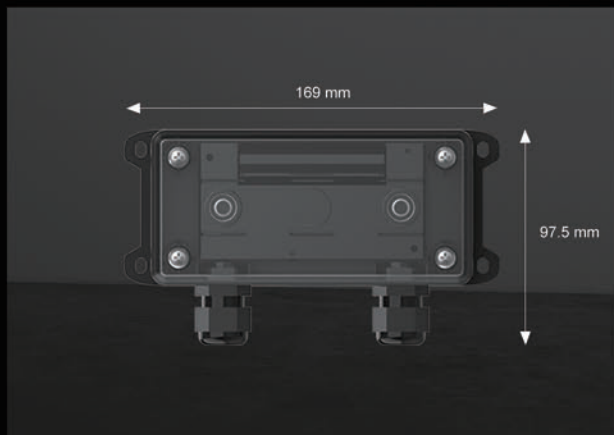1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX

SE-TX 02   Art No: 20206006

169 mm

97.5 mm

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

8k2Ω inlet for resistive safety edge. Selection as an inlet for NC contact can be made using a jumper
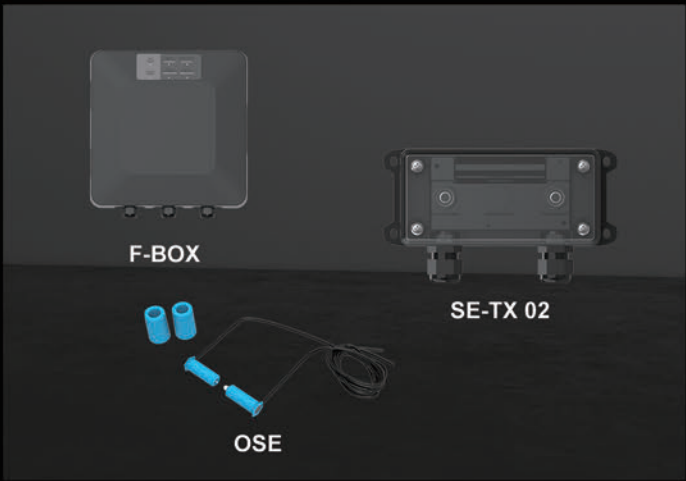
Trio-Frequency technology for anti-interference

Approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS OPTICAL SAFETY EDGE KIT

F-OPTO(OSE-6)   Art No: 20412007

F-BOX

SE-TX 02

OSE

F-OPTO(OSE-10)   Art No: 20412008
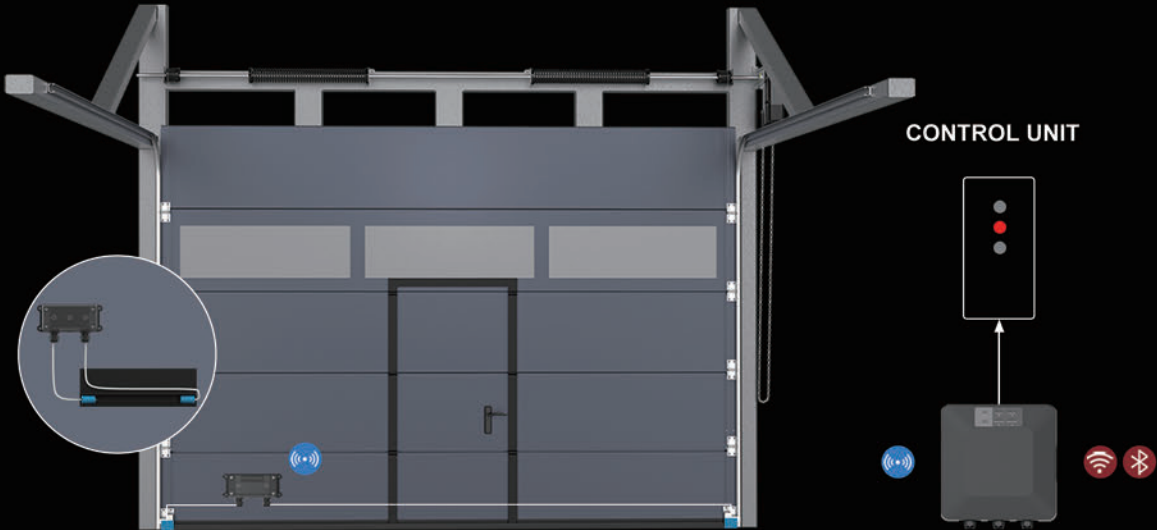
SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for wireless optical safety edge.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless optical safety edge of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX   Art No: 20206007

Technical date

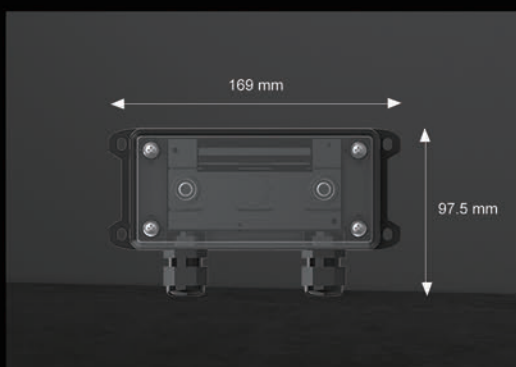|	
Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX
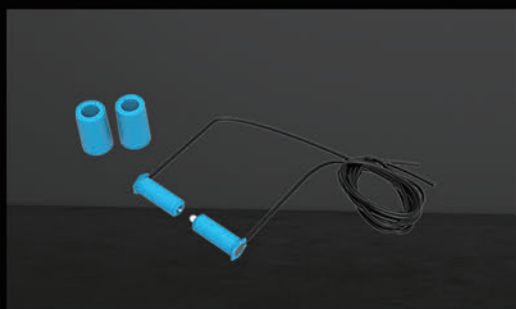
SE-TX 02   Art No: 20206006

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Trio-Frequency technology for anti-interference
Approximate battery life of 2 years

OPTICAL EDGE SENSOR SET

OSE

Technical date

Range	1~15m
Operating voltage	10~16VDC, resistant against voltage reversal
Current consumption	40mA
Signal range	O
Output	Transistor-output, max. load 20mA, short-circuit-proof
Output-level	Rectangular signal low: 0~1V high: 3~5V
Housing material	Plastic ABS, Lexan, IR transparent
Wire material	PUR, halogen free, acid- and oil-resistant
IP grade	IP 67
Operating temperature	-20ºC - + 70ºC

Advantage

Automatic operating mode recognition radio modules/spiral cable
High electromagnetic interference immunity
Resistant against voltage reversal and short-circuits
OSE-signal, compatible with all common door controls
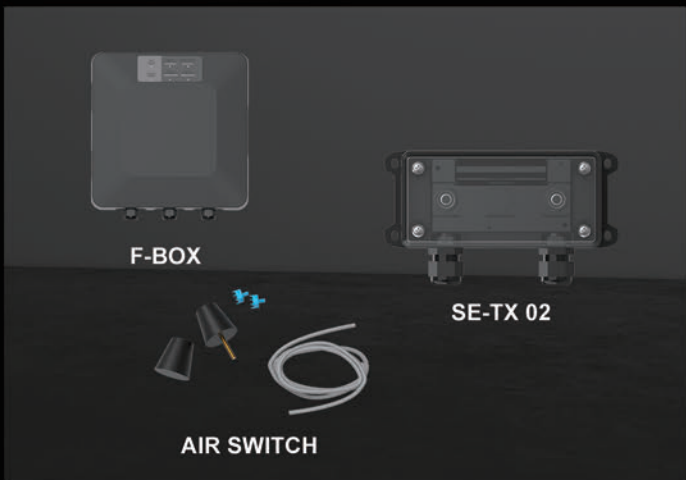Regulated transmit power

OSE-6 (TX 6m)   Art No: 20401001

OSE-10 (TX 10m)   Art No: 20401002

SAFETY SYSTEM

WIRELESS AIR SWITCH SAFETY EDGE KIT

F-AIR   Art No: 20412009

F-BOX

SE-TX 02

AIR SWITCH

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for wireless air switch safety edge.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless air switch safety edge of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX	Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX

SE-TX 02	Art No: 20206006

169 mm

97.5 mm

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Trio-Frequency technology for anti-interference
Approximate battery life of 2 years

AIR SWITCH SET

AIR SWITCH	Art No: 20403040

Technical date
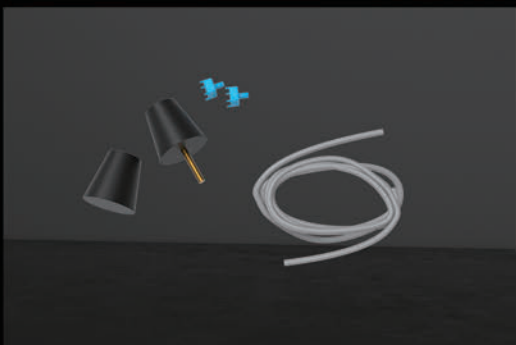
Hose	Ø 4 mm
Connection plug external diameter	Ø 22 mm
End plug external diameter	Ø 22 mm
Material of plug	TPE
Air hose connector	Straight and 90 degrees
Material of air hose	Brass, POM
Housing material	Plastic ABS, Lexan, IR transparent
IP grade	IP 67
Operating temperature	-20ºC - + 70ºC

Advantage

Air switch hose with Ø 4 mm, PVC material
Air switch connection plug and DW end plug, with TPE material
Airswitch and air hose connector with straight and 90 degrees
Degree of protection IP67, filled with epoxy resin

SAFETY SYSTEM

WIRELESS SLACK ROPE SWITCH KIT(SINGLE)

F-CORD-1   Art No: 20412010

F-BOX

SE-TX 02

SRS

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

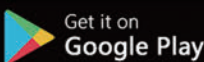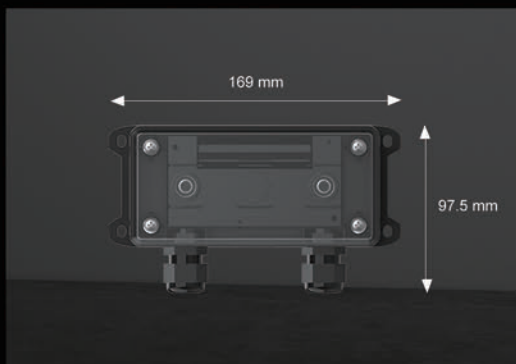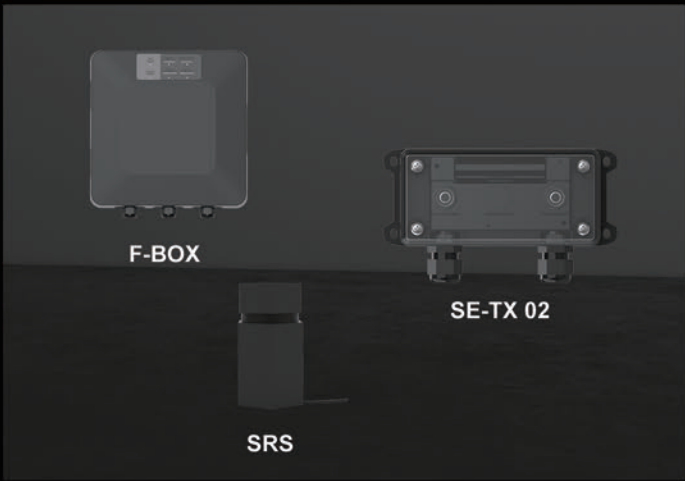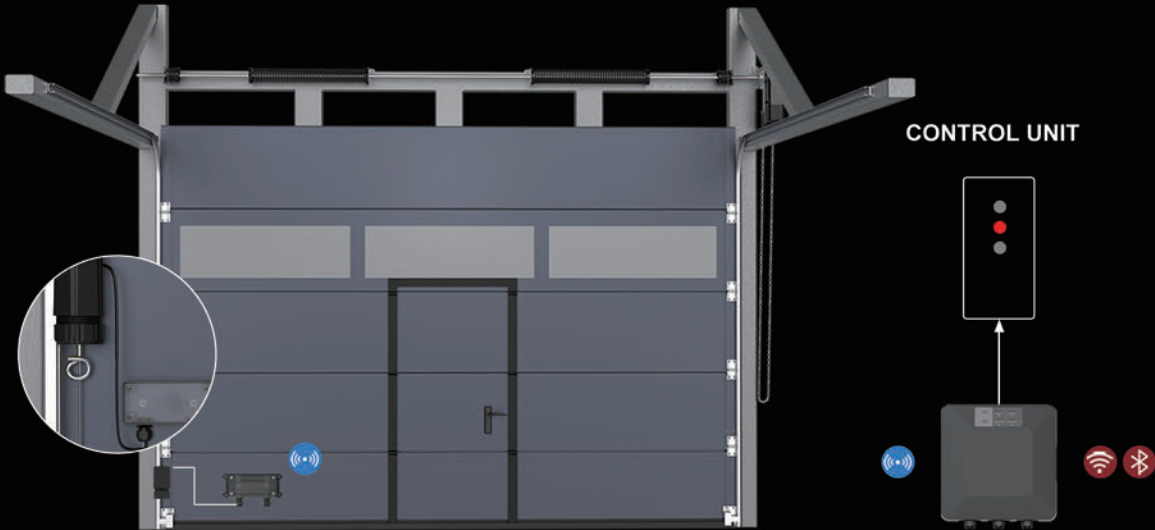EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for wireless slack rope switch.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless slack rope switch of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX — Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
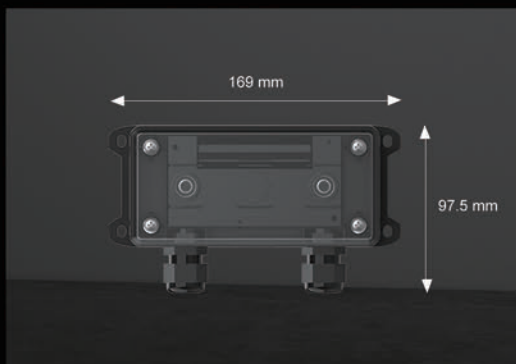Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX

SE-TX 02 — Art No: 20206006

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Trio-Frequency technology for anti-interference
Approximate battery life of 2 years

SLACK ROPE SWITCH SET

SRS — Art No: 20206001

Technical date
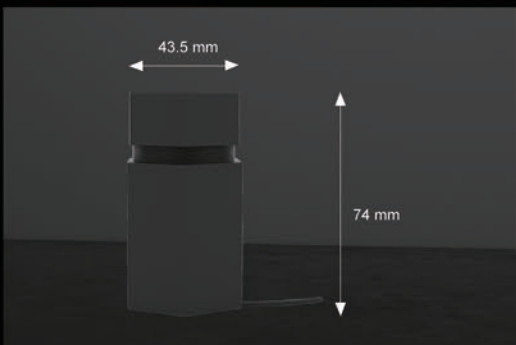
Plastic Material	PC+ABS
Contact	Micro switch
Connection wires	2 wires
Operating temperature	-20ºC - + 70ºC

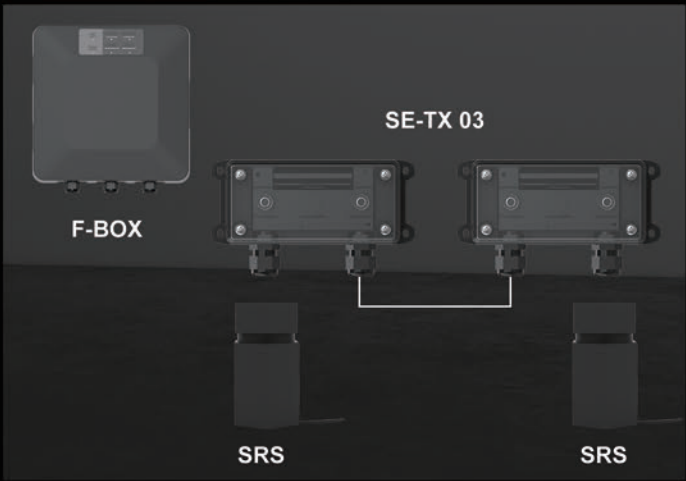### Advantage

Suitable for fitting to cable break devices
Switch with bracket is operated as soon as bracket of cable break device is relieved and operates the switch by turning lifting cable, in that way stopping the E-operator
Micro switch connect

SAFETY SYSTEM

WIRELESS SLACK ROPE SWITCH KIT(DUAL)

F-CORD-2   Art No: 20412011

SE-TX 03

F-BOX
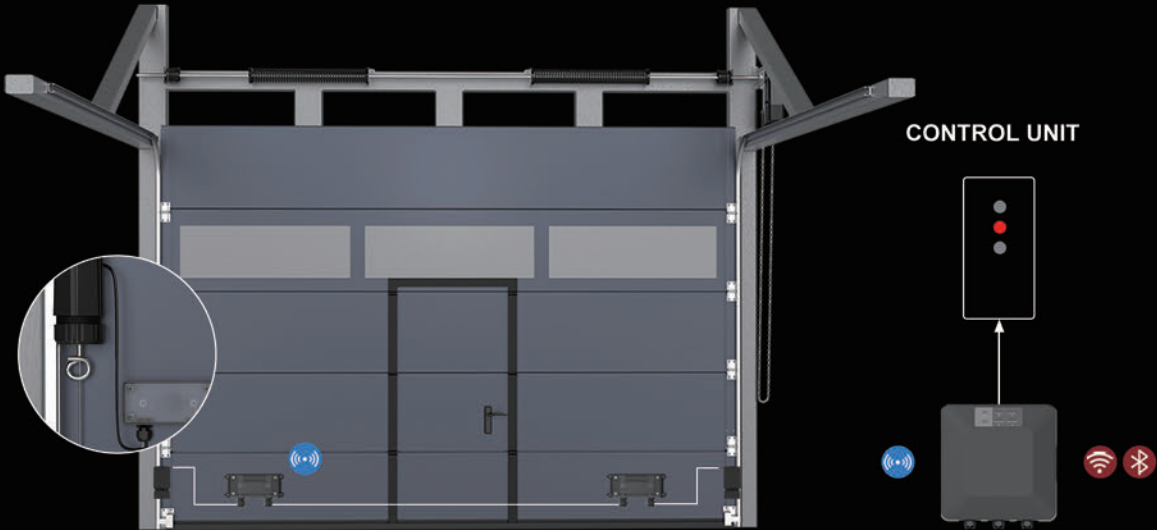
SRS   SRS

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for wireless slack rope switch.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless slack rope switch of the door and gates.

F-linX

Get it on **Google Play**

Download on the **App Store**

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX   Art No: 20206007

Technical date

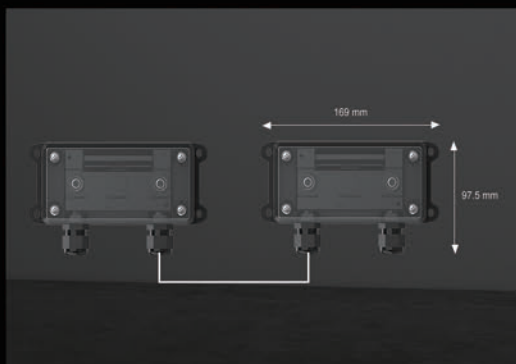|	
Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX(DUAL)

SE-TX 03   Art No: 20206017

169 mm

97.5 mm

Technical date

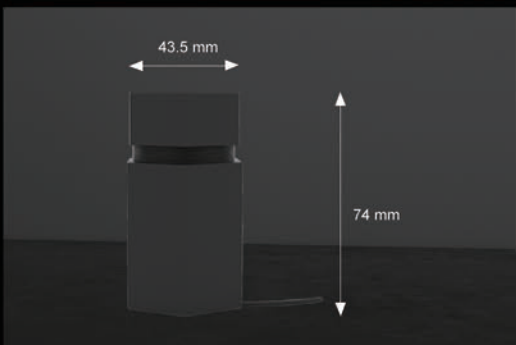|	
Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Trio-Frequency technology for anti-interference
Approximate battery life of 2 years

SLACK ROPE SWITCH SET

SRS   Art No: 20206001

43.5 mm

74 mm

Technical date

Plastic Material	PC+ABS
Contact	Micro switch
Connection wires	2 wires
Operating temperature	-20ºC - + 70ºC

Advantage

Suitable for fitting to cable break devices
Switch with bracket is operated as soon as bracket of cable break device is relieved and operates the switch by turning lifting cable, in that way stopping the E-operator
Micro switch connect

SAFETY SYSTEM

WIRELESS E-LOCK KIT

F-LOCK Art No: 20412012

F-BOX

E-LOCK

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

CONTROL UNIT

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless E-lock.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless E-lock of the door and gates.

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR WIRELESS E-LOCK

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

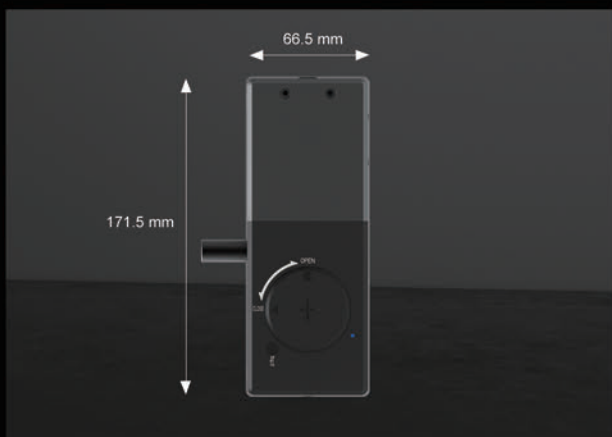1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR WIRELESS E-LOCK

E-LOCK   Art No: 20206002

66.5 mm

171.5 mm

Technical date

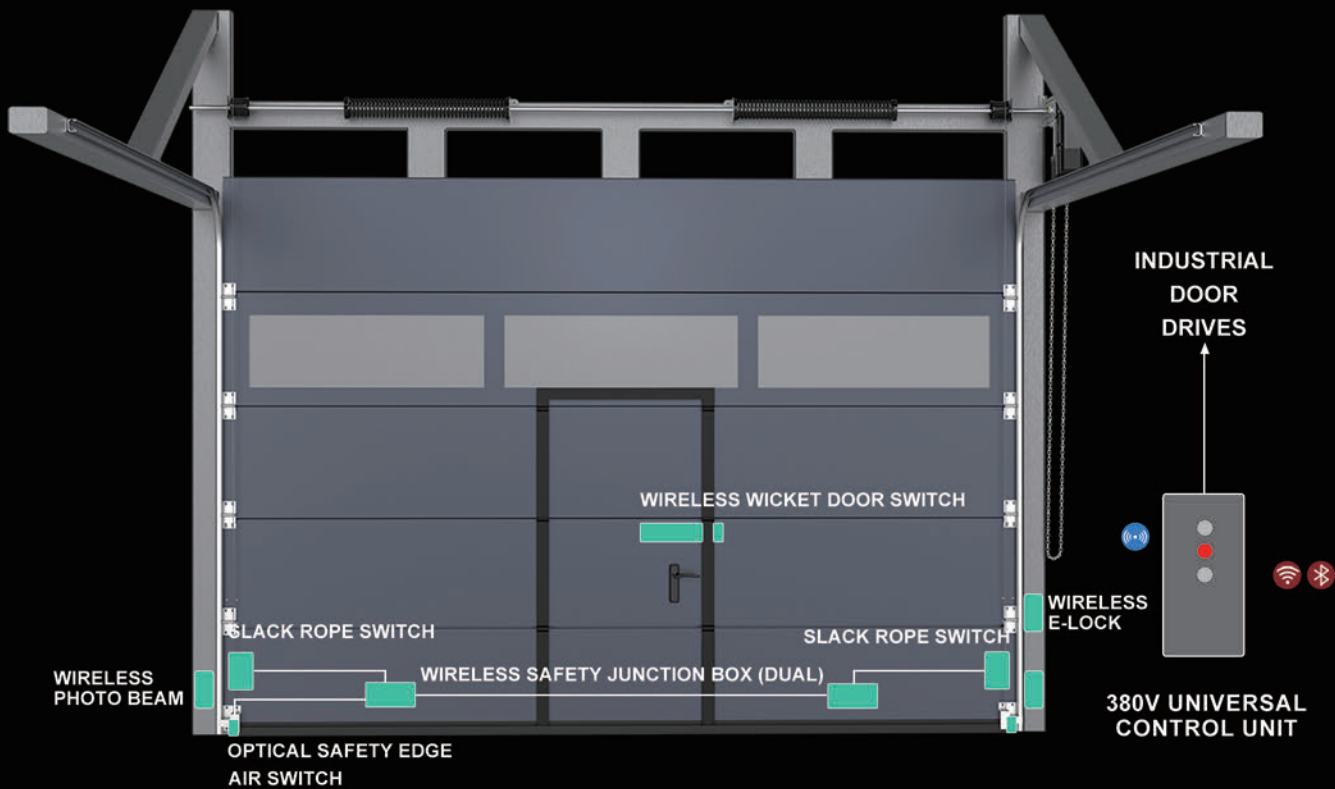|	
Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	6V DC (4 x 1.5V AAA battery)
Operating consumption	72 ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

Advantage

The F-Lock works automatically with industrial door openers. it always locks and unlocks with every operation of the door

The model F-Lock is only compatible with the Force Door Multi-drive version and all DC/FC/AC industrial door versions

An extra security guarantee for industrial doors

With 4 x 1.5V battery for 2 years normal operation life

DOOR AUTOMATION

INDUSTRIAL DOOR DRIVES

WIRELESS WICKET DOOR SWITCH

SLACK ROPE SWITCH

SLACK ROPE SWITCH

WIRELESS E-LOCK

WIRELESS PHOTO BEAM

WIRELESS SAFETY JUNCTION BOX (DUAL)

OPTICAL SAFETY EDGE
AIR SWITCH

380V UNIVERSAL CONTROL UNIT

F-LinX

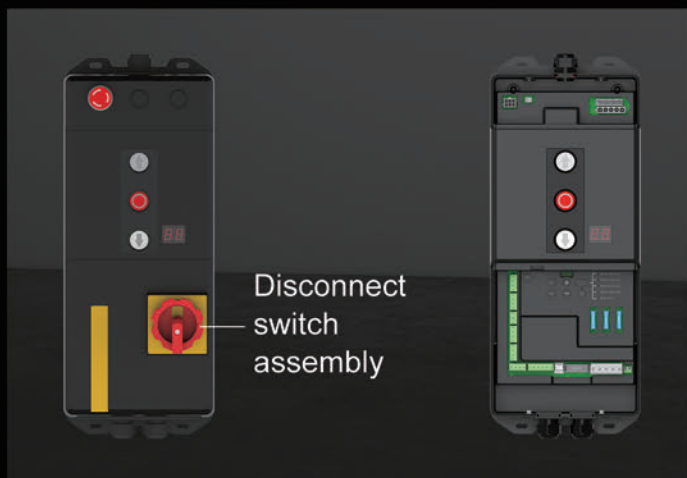Get it on Google Play

Download on the App Store

DOOR AUTOMATION

- WIRELESS WICKET DOOR SWITCH
- WIRELESS PHOTO BEAM
- WIRELESS OPTICAL SAFETY EDGE
- WIRELESS AIR SWITCH
- WIRELESS SLACK ROPE SWITCH
- WIRELESS E-LOCK

DOOR AUTOMATION

380V UNIVERSAL CONTROL UNIT

F-CU 380   Art No: 20117006

Disconnect
switch
assembly

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

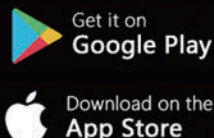RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

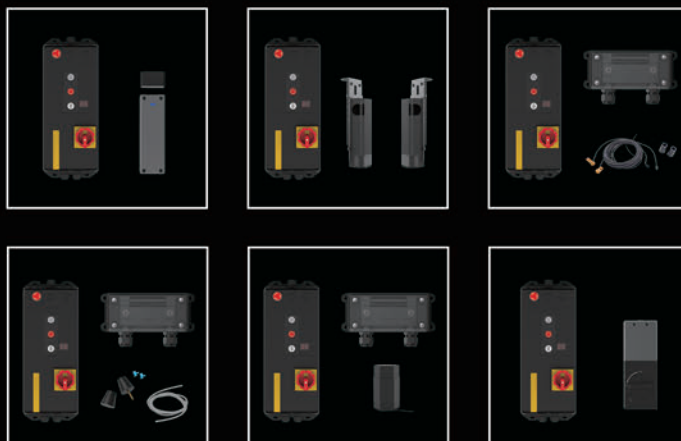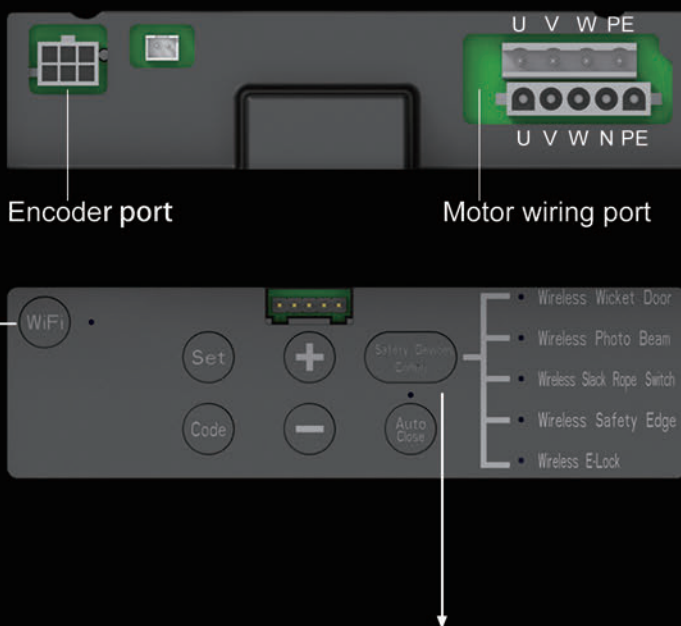EMC Directive 2014/30/UE, Annex I - Emissions and immunity

SMART CONNECT

The universal control unit with a built-in WiFi , this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless safety accessories of the door and gates.

Encoder **port**

U V W PE

U V W N PE

Motor wiring port

Get it on
Google Play

Download on the
App Store

WiFi

Set   +   Safety Device Check

Code   −   Auto Close

- Wireless Wicket Door
- Wireless Photo Beam
- Wireless Slack Rope Switch
- Wireless Safety Edge
- Wireless E-Lock

MULTI FREQUENCY

Wireless communication using multi frequency technology between universal control unit and wireless safety accessories.
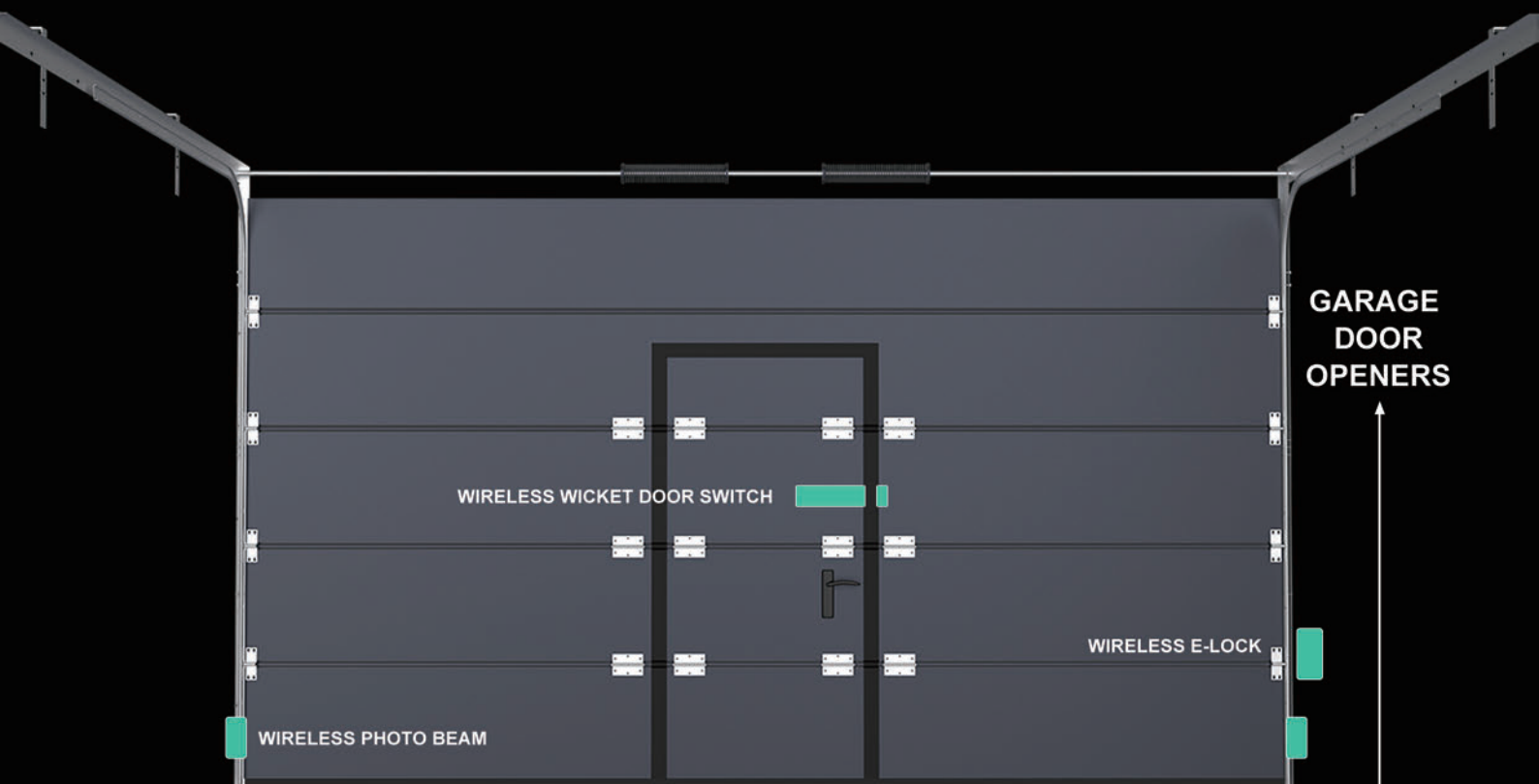
- WIRELESS WICKET DOOR SWITCH
- WIRELESS PHOTO BEAM
- WIRELESS OPTICAL SAFETY EDGE
- WIRELESS AIR SWITCH
- WIRELESS SLACK ROPE SWITCH
- WIRELESS E-LOCK
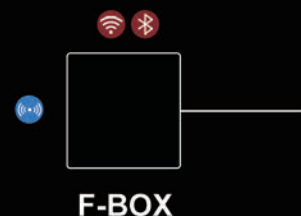
APPLICATION OVERVIEW

GARAGE DOOR OPENERS

WIRELESS WICKET DOOR SWITCH

WIRELESS E-LOCK

WIRELESS PHOTO BEAM

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety accessories.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety and security of the door and gates.

SAFETY SYSTEM

F-BOX

- WIRELESS WICKET DOOR SWITCH
- WIRELESS PHOTO BEAM
- WIRELESS E-LOCK

Get it on Google Play

Download on the App Store

WIRELESS WICKET DOOR SWITCH KIT

F-WICKET   Art No: 20412004

F-BOX

W-TX

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

GARAGE DOOR OPENER

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wicket transmitter for wicket doors.

F-linX SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wicket door switch of the door and gates.

Get it on **Google Play**

Download on the **App Store**

SAFETY SYSTEM

RECEIVER FOR WICKET DOORS

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

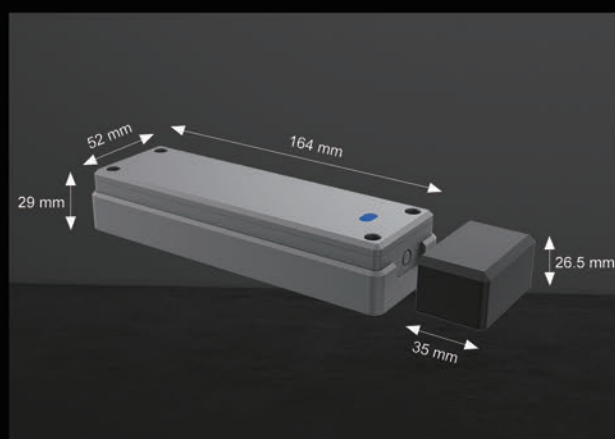1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

WICKET TRANSMITTER FOR WICKET DOORS

W-TX   Art No: 20206004

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

Magnetic sensor, contact-free magnetic detector

Height adjustable mounting base for the various wicket doors frame

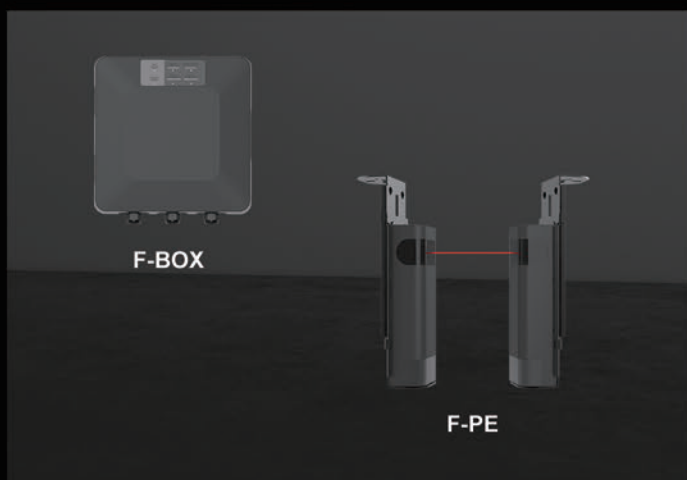Range between transmitter and sensor: 30mm

Trio-Frequency technology for anti-interference

Approximate battery life of 2 years

35

WIRELESS PHOTO BEAM KIT

F-BEAM　　　Art No: 20412005
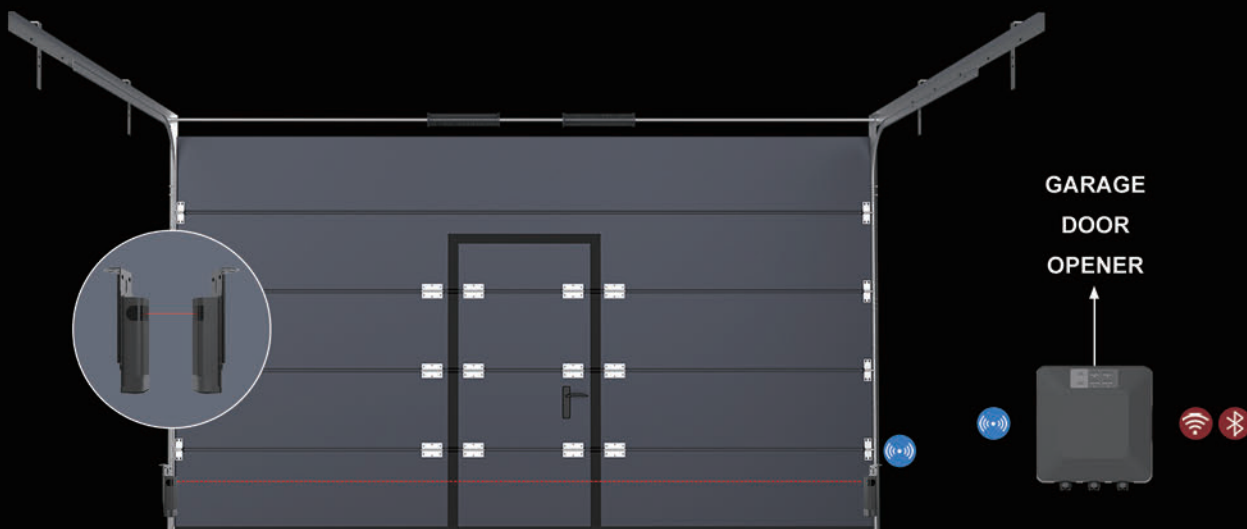

F-BOX

F-PE

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

GARAGE DOOR OPENER

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless photo beam.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless photo beam of the door and gates.

F-linX

Get it on **Google Play**

Download on the **App Store**

SAFETY SYSTEM

RECEIVER FOR PHOTO BEAM

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
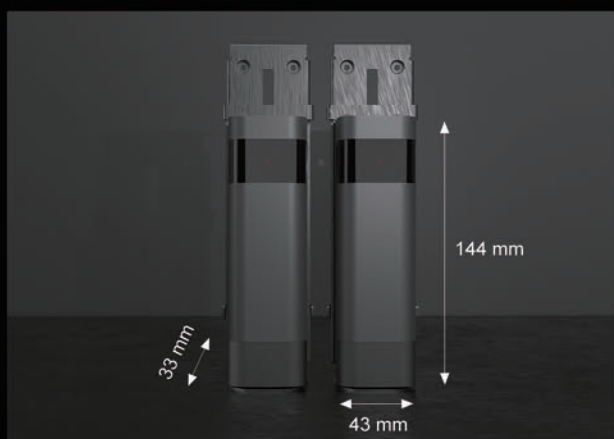1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR PHOTO BEAM

F-PE   Art No: 20206010

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
Operating consumption	7 meters - 35ua
	10 meters - 49ua
RX consumption	Operation - 5.3mA
	Standby - 60ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

Advantage

Complete wireless TX and RX infrared beam with built in 3.6V lithium battery
Trio-Frecuency technology for anti-interference
Both the transmitter and the receiver are connectable to the contact of a mechanical or resistive safety edge with NC or NO contacts
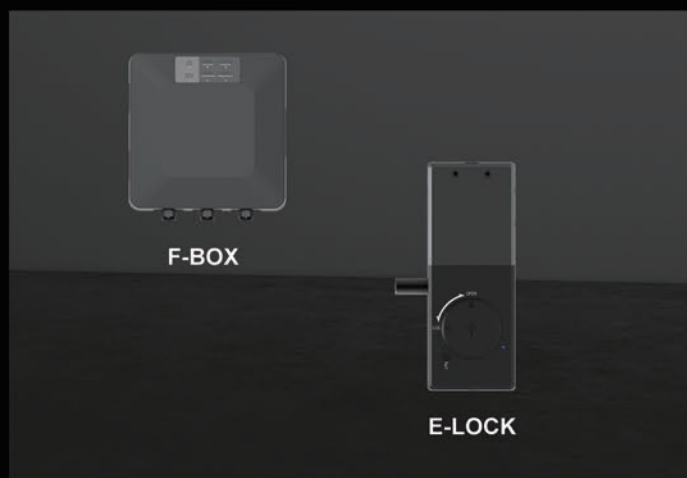Adjustable switch to adjust the infrared beam transmitting power for various environment
Low standby and low operating consumption, Approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS E-LOCK KIT

F-LOCK   Art No: 20412012

F-BOX

E-LOCK

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

GARAGE
DOOR
OPENER

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless E-lock.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless E-lock of the door and gates.

F-linX

Get it on
Google Play

Download on the
App Store

SAFETY SYSTEM

RECEIVER FOR WIRELESS E-LOCK

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact
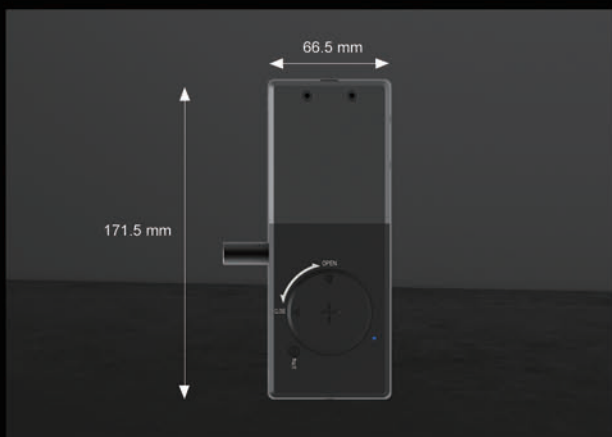
1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR WIRELESS E-LOCK

E-LOCK   Art No: 20206002

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	6V DC (4 x 1.5V AAA battery)
Operating consumption	72 ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

Advantage

The F-Lock works automatically with industrial door openers. it always locks and unlocks with every operation of the door
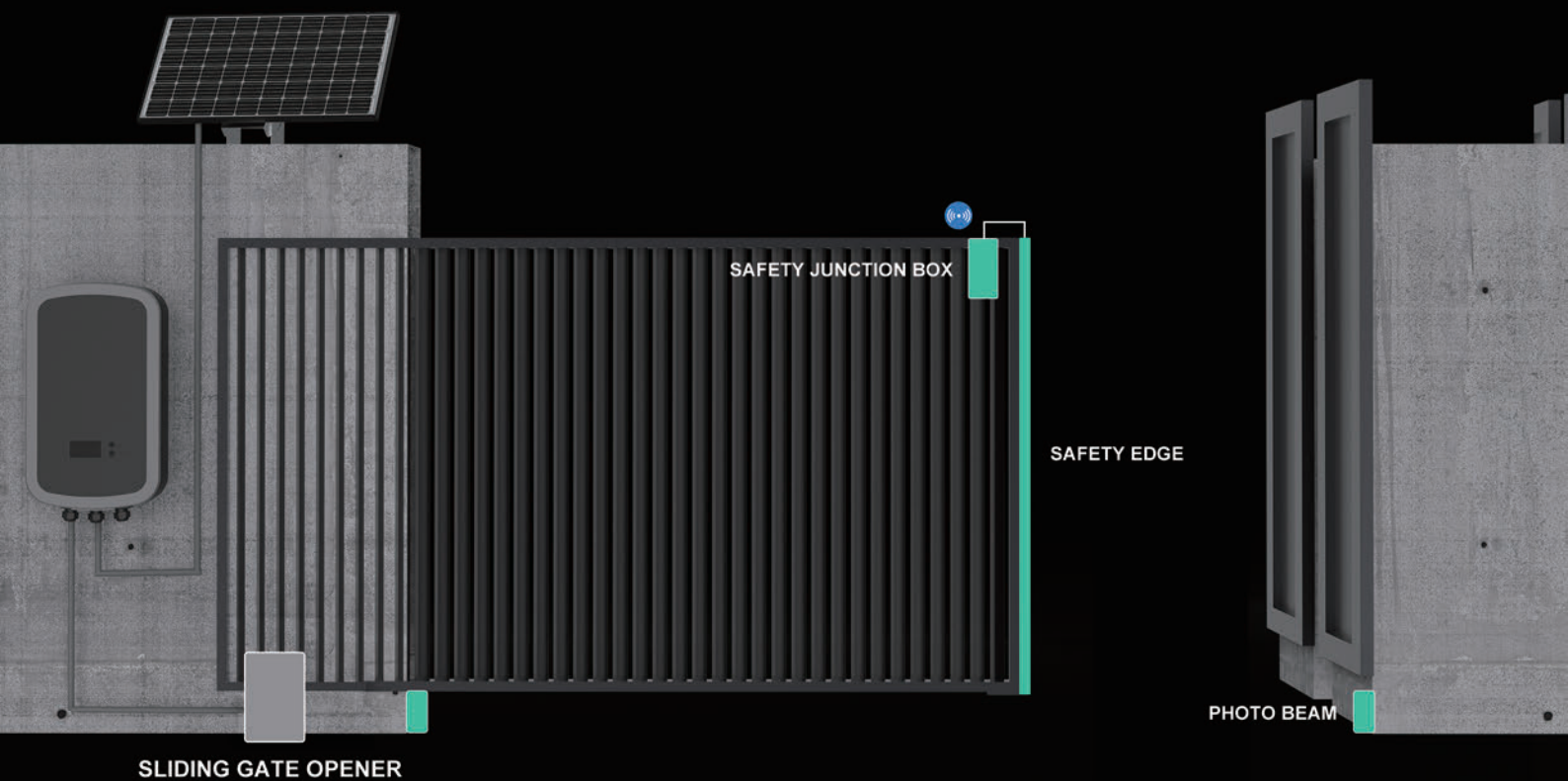
The model F-Lock is only compatible with the Force Door Multi-drive version and all DC/FC/AC industrial door versions

An extra security guarantee for industrial doors

With 4 x 1.5V battery for 2 years normal operation life

APPLICATION OVERVIEW

SAFETY JUNCTION BOX

SAFETY EDGE

PHOTO BEAM

SLIDING GATE OPENER

F-BOX

SAFETY SYSTEM

- WIRELESS PHOTO BEAM
- WIRELESS SAFETY EDGE

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety accessories.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety and security of the door and gates.

F-linX

Get it on **Google Play**

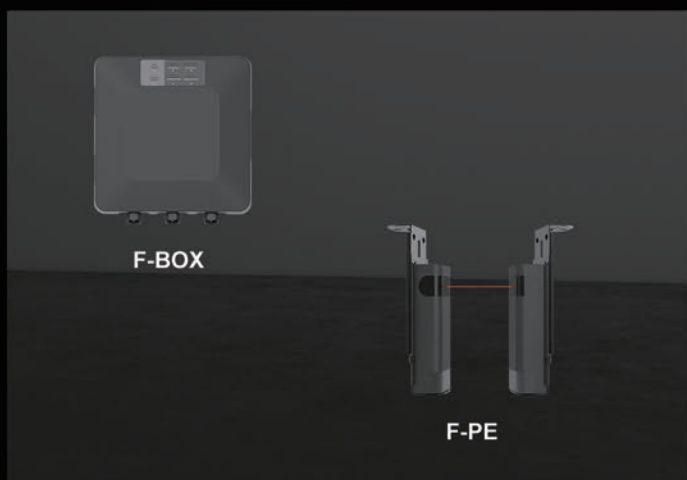Download on the **App Store**

SAFETY SYSTEM

WIRELESS PHOTO BEAM KIT

F-BEAM   Art No: 20412005

F-BOX

F-PE

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless photo beam.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless photo beam of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR PHOTO BEAM

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR PHOTO BEAM

F-PE   Art No: 20206010

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
Operating consumption	7 meters - 35ua
	10 meters - 49ua
RX consumption	Operation - 5.3mA
	Standby - 60ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

144 mm
33 mm
43 mm

Advantage

Complete wireless TX and RX infrared beam with built in 3.6V lithium battery
Trio-Frecuency technology for anti-interference
Both the transmitter and the receiver are connectable to the contact of a mechanical or resistive safety edge with NC or NO contacts
Adjustable switch to adjust the infrared beam transmitting power for various environment
Low standby and low operating consumption, Approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS SAFETY EDGE KIT

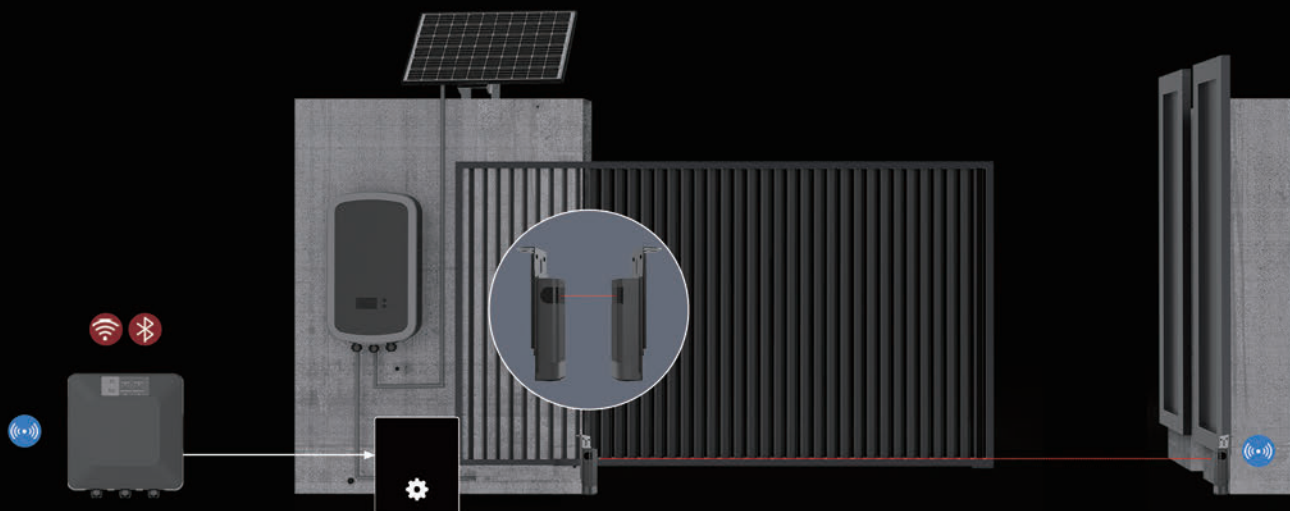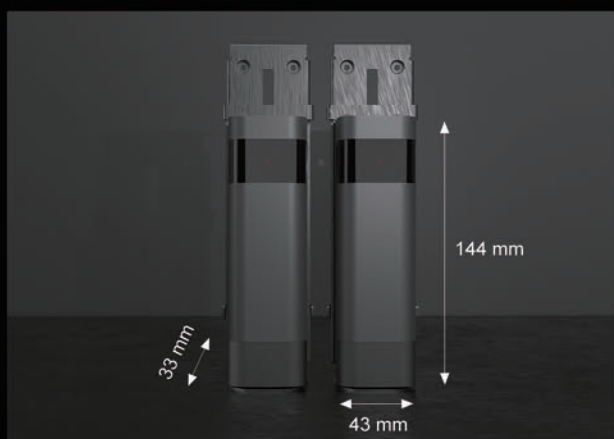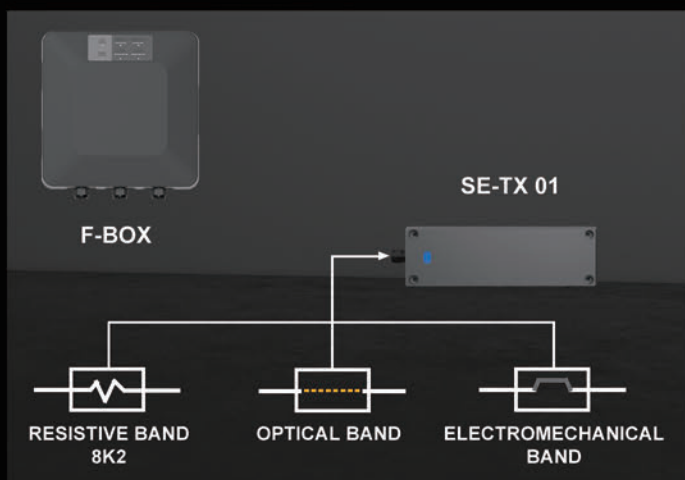### F-EDGE 01   Art No: 20412013

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for safety edge.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety edge of the door and gates.

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

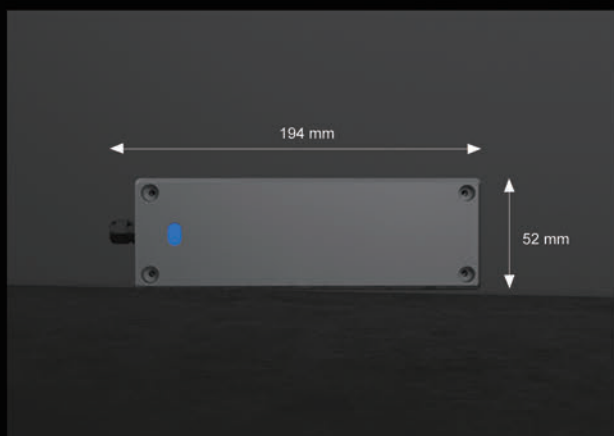1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX

SE-TX 01 Art No: 20206005

194 mm

52 mm

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

8k2Ω inlet for resistive safety edge. Selection as an inlet for NC contact can be made using a jumper

Trio-Frequency technology for anti-interference

Approximate battery life of 2 years

APPLICATION OVERVIEW

ROLLING DOOR OPENERS

WIRELESS PHOTO BEAM

SAFETY JUNCTION BOX

SAFETY EDGE

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety accessories.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety and security of the door and gates.

SAFETY SYSTEM

F-BOX

- ☐ WIRELESS PHOTO BEAM
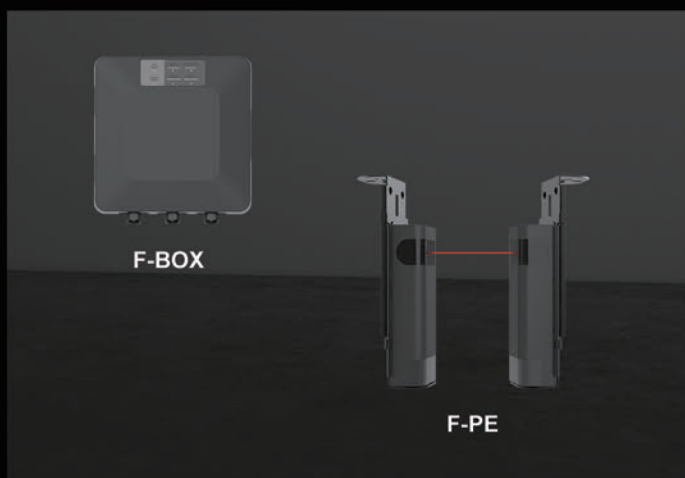- ☐ WIRELESS SAFETY EDGE

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

WIRELESS PHOTO BEAM KIT

F-BEAM Art No: 20412005

F-BOX

F-PE

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

ROLLING DOOR OPENER

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and wireless photo beam.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless photo beam of the door and gates.

F-linX

Get it on Google Play

Download on the App Store

SAFETY SYSTEM

RECEIVER FOR PHOTO BEAM

F-BOX   Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.
3 relay outlets with OP/STP/CL contact
1 relay outlet with PB (open-stop-close) contact
Fast code buttons for wireless safety sensors and tilt sensor.
Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

TRANSMITTER FOR PHOTO BEAM

F-PE   Art No: 20206010

144 mm
33 mm
43 mm

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels
Battery capacity	2600 mAh
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
Operating consumption	7 meters - 35ua
	10 meters - 49ua
RX consumption	Operation - 5.3mA
	Standby - 60ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

Advantage

Complete wireless TX and RX infrared beam with built in 3.6V lithium battery
Trio-Frecuency technology for anti-interference
Both the transmitter and the receiver are connectable to the contact of a mechanical or resistive safety edge with NC or NO contacts
Adjustable switch to adjust the infrared beam transmitting power for various environment
Low standby and low operating consumption, Approximate battery life of 2 years

SAFETY SYSTEM

WIRELESS SAFETY EDGE KIT

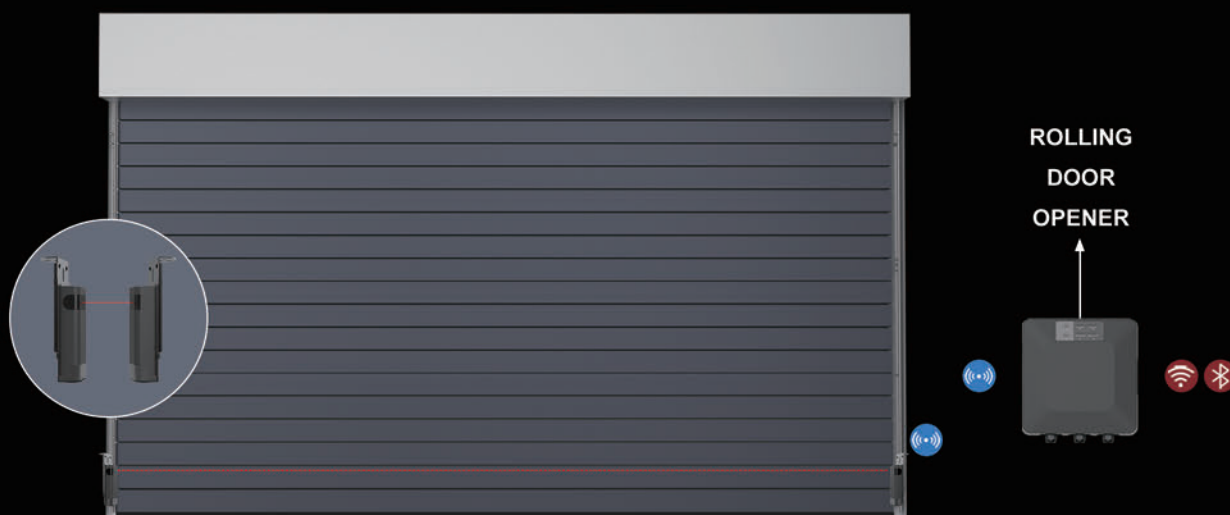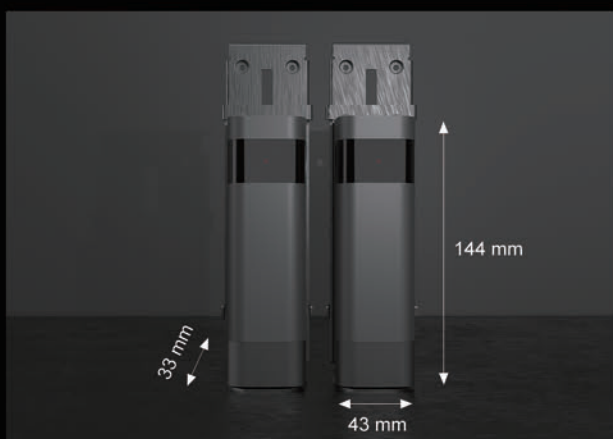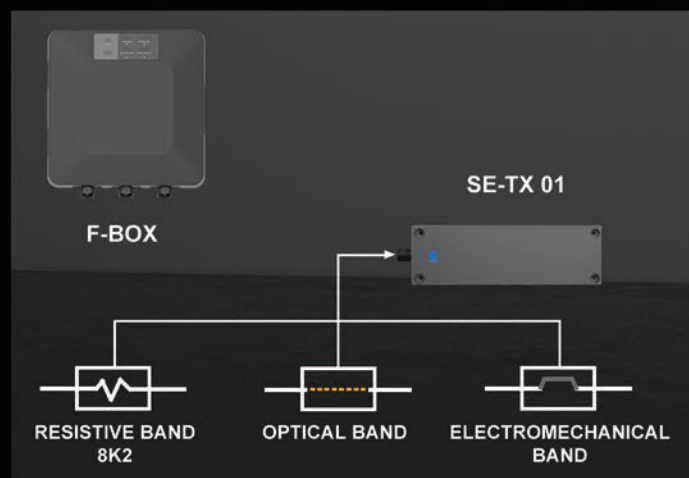**F-EDGE 01**   Art No: 20412013

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

ROLLING
DOOR
OPENER

MULTI FREQUENCY

Wireless communication using multi frequency technology between F-box and safety junction box for safety edge.

SMART CONNECT

The F-box with a built-in WiFi module, this allow users to linked with "F-linX" APP for "Safety Center" to track all information about safety edge of the door and gates.

Get it on **Google Play**

Download on the **App Store**

SAFETY SYSTEM

RECEIVER FOR SAFETY EDGE

F-BOX　　　　　Art No: 20206007

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	12-24 V AC/DC
Number of relays	8 relays
Built-in WiFi format	2.4G, 5G
F-linX APP	Available
NC/NO	Adjustable
Operating temperature:	-20ºC - + 60ºC

Advantage

4 relay outlets with selectable operating mode, can behave like a safety contact for reversal function or stop function.

3 relay outlets with OP/STP/CL contact

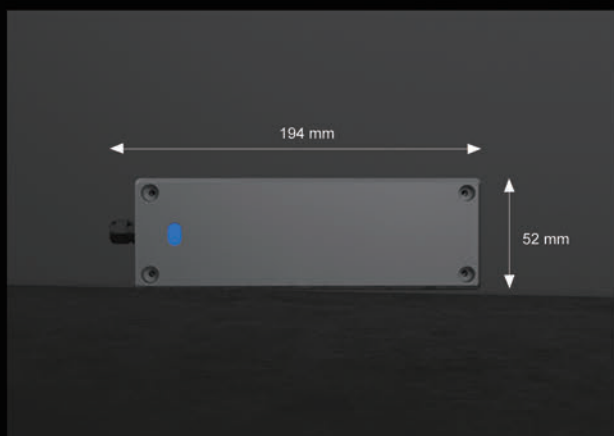1 relay outlet with PB (open-stop-close) contact

Fast code buttons for wireless safety sensors and tilt sensor.

Low voltage port for flash light contact with 12-24V, high voltage port for flash light contact with 120- 230V

SAFETY EDGE TRANSMITTER JUNCTION BOX

SE-TX 01　　　　Art No: 20206005

194 mm

52 mm

Technical date

Radio technology	Trio-Frequency technology
Frequency	Multi from 430 MHz – 450 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (1 x 3.6V lithium battery)
Channels	2 channels (Reversal & Stop per channel)
Battery capacity	2600 mAh
Operating consumption	70 ua
Standby	15 ua
IP grade	IP 65
Operating temperature:	-20ºC - + 60ºC

Advantage

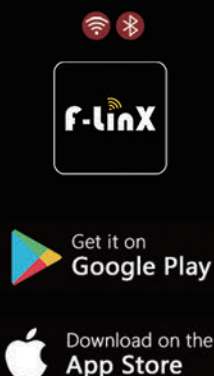8k2Ω inlet for resistive safety edge. Selection as an inlet for NC contact can be made using a jumper

Trio-Frequency technology for anti-interference

Approximate battery life of 2 years
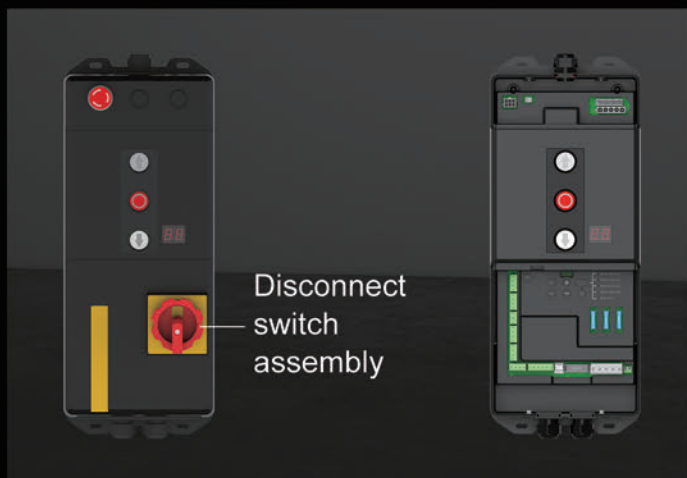
DOOR AUTOMATION

ROLLING
SHUTTER
DRIVES

WIRELESS
PHOTO BEAM

SAFETY EDGE

380V UNIVERSAL
CONTROL UNIT

DOOR AUTOMATION

F-linX

Get it on
Google Play

Download on the
App Store

WIRELESS PHOTO BEAM

WIRELESS SAFETY EDGE

DOOR AUTOMATION

380V UNIVERSAL CONTROL UNIT

F-CU 380   Art No: 20117006

Disconnect switch assembly

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

Machine Directive 2006/42/EC, Annex I - Health and safety

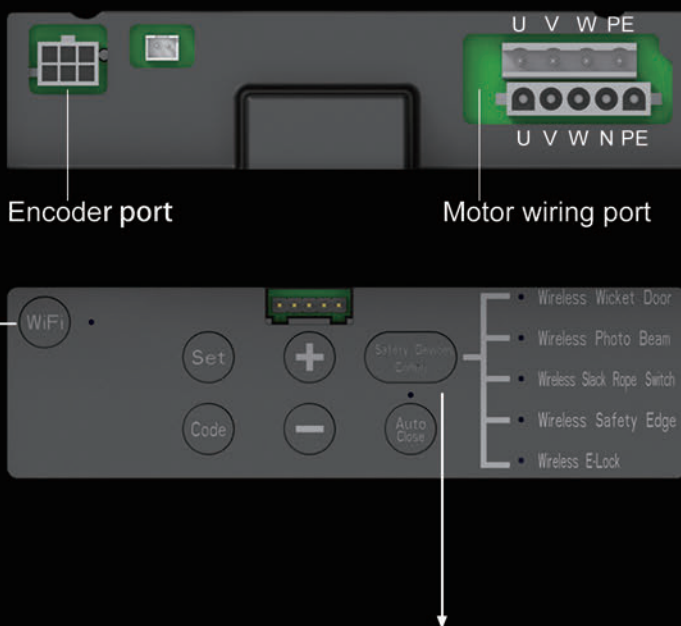EMC Directive 2014/30/UE, Annex I - Emissions and immunity

SMART CONNECT

The universal control unit with a built-in WiFi , this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless safety accessories of the door and gates.

Get it on Google Play

Download on the App Store

MULTI FREQUENCY

Wireless communication using multi frequency technology between universal control unit and wireless safety accessories.

WIRELESS PHOTO BEAM

WIRELESS SAFETY EDGE

U V W PE

U V W N PE

Encoder **port**

Motor wiring port

WiFi

Set   +   Safety Device Check

Code   −   Auto Close

- Wireless Wicket Door
- Wireless Photo Beam
- Wireless Slack Rope Switch
- Wireless Safety Edge
- Wireless E-Lock

DOOR AUTOMATION

OPEN   STOP   CLOSE

ROLLING
DOOR
OPENERS

WIRELESS
PHOTO BEAM

SAFETY EDGE

220V UNIVERSAL
CONTROL UNIT

DOOR AUTOMATION

F-linX

Get it on
Google Play

Download on the
App Store

☐ WIRELESS PHOTO BEAM

☐ WIRELESS SAFETY EDGE

DOOR AUTOMATION

220V UNIVERSAL CONTROL UNIT

F-CU 220   Art No: 20117001

SMART CONNECT

The universal control unit with a built-in WiFi , this allow users to linked with "F-linX" APP for "Safety Center" to track all information about wireless safety accessories of the door and gates.
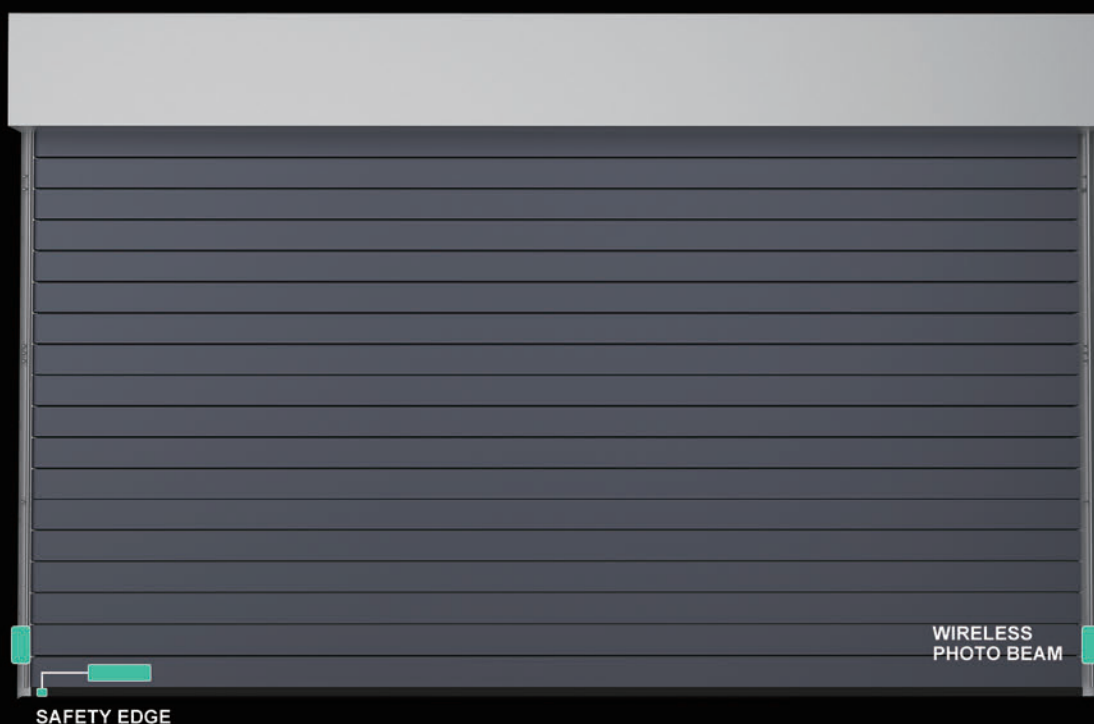

F-linX

Get it on Google Play

Download on the App Store

MULTI FREQUENCY

Wireless communication using multi frequency technology between universal control unit and wireless safety accessories.

- WIRELESS PHOTO BEAM
- WIRELESS SAFETY EDGE

SAFETY STANDARD

RED Directive 2014/53/UE, Article 3.1(a) safety

RED Directive 2014/53/UE, Article 3.1(b) - EMC

RED Directive 2014/53/UE, Article 3.2 - Use of spectrum

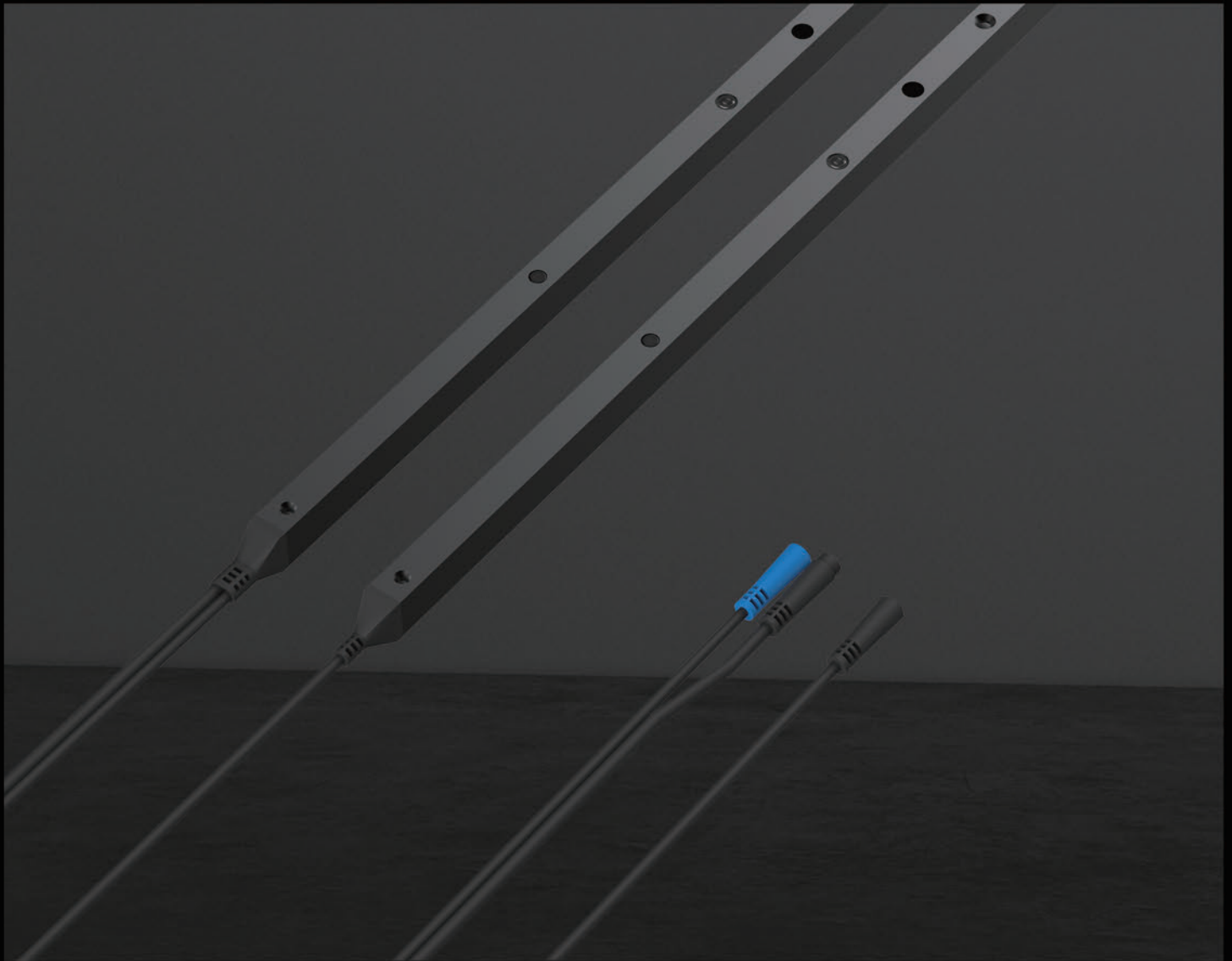Machine Directive 2006/42/EC, Annex I - Health and safety

EMC Directive 2014/30/UE, Annex I - Emissions and immunity

LIGHT CURTAIN

F-RASTER   Art No: 10901244

The light curtain is a vital safety device designed for sectional industrial doors, serving to increase protection in environments where these large, motorized access points are used regularly. Primarily used in commercial, industrial and warehouse environments, the light curtain plays a vital role in preventing accidents and injuries, contributing to a safer workplace.

A light barrier works similar to an invisible safety barrier and consists of a series of photoelectric beams projected across the door opening. These beams create an intangible "curtain" that, when not interrupted, allows the gate to function as usual. However, if anything or anyone were to interrupt the beams passing through the opening, the light curtain would immediately send a signal to the door control system, prompting it tostop or reverse the door's movement to prevent possible damage.

WIRED OPTICAL SAFETY EDGE KIT

WD-OPTO-1

WD-SE-TX-1

SPC

OSE

BRACKETS

GLAND

WD-OPTO-1-01 Art No: 20104037		WD-OPTO-1-02 Art No: 20104036		WD-OPTO-1-03 Art No: 20104035		WD-OPTO-1-04 Art No: 20104034	
WD-SE-TX-1	*1	WD-SE-TX-1	*1	WD-SE-TX-1	*1	WD-SE-TX-1	*1
OSE-6	*1	OSE-10	*1	OSE-6	*1	OSE-10	*1
4W-SPC-3.5	*1	4W-SPC-5.5	*1	5W-SPC-3.5	*1	5W-SPC-5.5	*1
BRACKETS	*1	BRACKETS	*1	BRACKETS	*1	BRACKETS	*1
GLAND	*1	GLAND	*1	GLAND	*1	GLAND	*1

Technical date

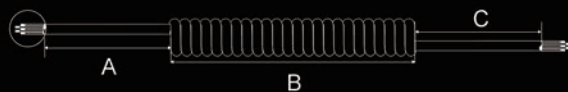|	
Voltage	DC12-24V
Power consumption	Below 6mA
Detection distance	0.5m-10m
Error distance	Less than 10% of detection distance
Detect object	Translucent/Non-transparent objects
Physical dimension	37*13mm
Operating temperature	-20℃—75℃
Waterproof level	IP67

WIRED OPTICAL SAFETY EDGE KIT

SPIRAL CABLE FOR OPTICAL SAFETY EDGE

SPC

4W-SPC-3.5 Art No: 10907020	4 wires 0.25mm²	A=0.3m	B=3.5m	C=1.6m
4W-SPC-5.5 Art No: 10907021	4 wires 0.25mm²	A=0.3m	B=5.5m	C=1.6m
5W-SPC-3.5 Art No: 10907174	5 wires 0.25mm²	A=0.3m	B=3.5m	C=1.6m
5W-SPC-5.5 Art No: 10907175	5 wires 0.25mm²	A=0.3m	B=5.5m	C=1.6m

WIRED SAFETY EDGE JUNCTION BOX

WD-SE-TX-1   Art No: 20113113

169 mm

97.5 mm

One OSE-input

One SD-input

One SL-input

Degree of protection IP67

OPTICAL EDGE SENSOR SET

OSE

Technical date

Range	1~15m
Operating voltage	10~16VDC, resistant against voltage reversal
Current consumption	40mA
Signal range	O
Output	Transistor-output, max. load 20mA, short-circuit-proof
Output-level	Rectangular signal low: 0~1V high: 3~5V
Housing material	Plastic ABS, Lexan, IR transparent
Wire material	PUR, halogen free, acid- and oil-resistant
IP grade	IP 67
Operating temperature	-20ºC - + 70ºC

OSE-6 (TX 6m)   Art No: 20401001

OSE-10 (TX 10m)   Art No: 20401002

WIRED OPTICAL SAFETY EDGE KIT

WD-OPTO-2

WD-SE-TX-2

SPC

OSE

BRACKETS

GLAND

WD-OPTO-2-01   Art No: 20104033

WD-SE-TX-2	*1
OSE-6	*1
5W-SPC-3.5	*1
BRACKETS	*1
GLAND	*1

WD-OPTO-2-02   Art No: 20104032

WD-SE-TX-2	*1
OSE-10	*1
5W-SPC-5.5	*1
BRACKETS	*1
GLAND	*1

Technical date

Voltage	DC12-24V
Power consumption	Below 6mA
Detection distance	0.5m-10m
Error distance	Less than 10% of detection distance
Detect object	Translucent/Non-transparent objects
Physical dimension	37*13mm
Operating temperature	-20℃—75℃
Waterproof level	IP67

WIRED OPTICAL SAFETY EDGE KIT

SPIRAL CABLE FOR OPTICAL SAFETY EDGE

SPC

5W-SPC-3.5 Art No: 10907174	5 wires 0.25mm²	A=0.3m	B=3.5m	C=1.6m
5W-SPC-5.5 Art No: 10907175	5 wires 0.25mm²	A=0.3m	B=5.5m	C=1.6m

WIRED SAFETY EDGE JUNCTION BOX

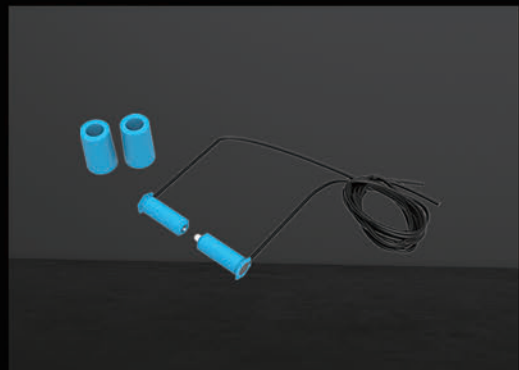### WD-SE-TX-2   Art No: 20113114

One OSE-input

Two SD-input

Two SL-input

Degree of protection IP67

OPTICAL EDGE SENSOR SET

OSE

Technical date

|	
Range	1~15m
Operating voltage	10~16VDC, resistant against voltage reversal
Current consumption	40mA
Signal range	O
Output	Transistor-output, max. load 20mA, short-circuit-proof
Output-level	Rectangular signal low: 0~1V high: 3~5V
Housing material	Plastic ABS, Lexan, IR transparent
Wire material	PUR, halogen free, acid- and oil-resistant
IP grade	IP 67
Operating temperature	-20ºC - + 70ºC

OSE-6(TX 6m)   Art No: 20401001

OSE-10(TX 10m)   Art No: 20401002

WIRED E-LOCK KIT

E-LOCK-WD   Art No: 20206003
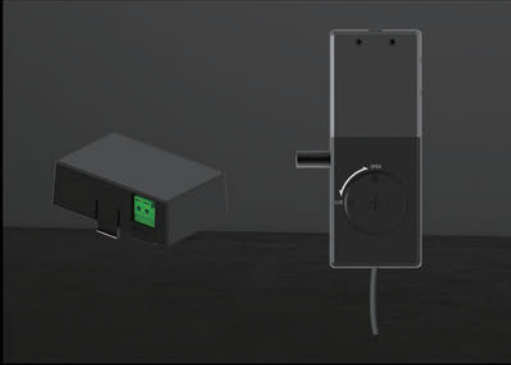
Technical date

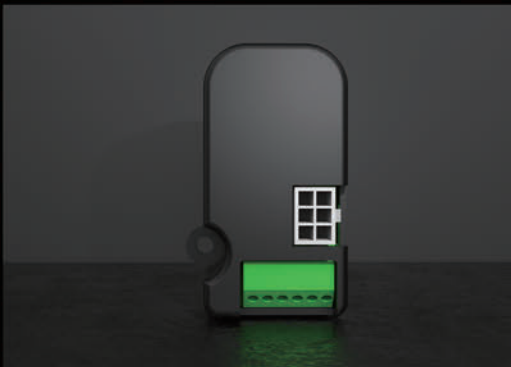|	
Power supply	6V DC (4 x 1.5V lithium battery)
Battery capacity	1800 mAh
Operating consumption	72 ua
IP grade	IP 54
Operating temperature:	-20ºC - + 60ºC

The E-LOCK-WD works automatically with garage door opener and Industrial door openers. it always locks and unlocks with every operation of the door.

The E-LOCK-WD is only compatible with the Force Door & FMK garage door opener pro version, Multi-drive version and all DC/FC/AC industrial door versions.

ENCODER

EC01   Art No: 20113103

Technical date

Operating voltage(Uv)	7-24V
Current supply	50 mA
Transfer rate	19,200 baud
Covered range	Single turn 360°
Mechanical interface	Half moon
Protection class	IP 20
Electrical connection	Safety chain input
	RS 485 B
	GND
	RS 485 A
	Safety chain output
	Uv = 7-24V

Three connection possibilities for safety elements (safety chain)

Universal limit switch for all door types

SAFETY STANDARD

DIN EN61000-6-2

DIN EN61000-6-3

EN 13849-2:2012 PL C, category 2

WIRED PHOTO BEAM

F-PE-WD   Art No: 20206011

Technical date

Power supply	12/24V AC DC
Limit power supply	18-35V DC, 15-28V AC
Signal range(Max)	20 meters
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
NC/NO contact	Adjustable
Mounting adjustable bracket	Not Included
Wire for TX and RX	Not Included
IP grade	IP 65
Operating temperature:	-20ºC - + 70ºC

Advantage

One way wired (4 wire) photo beam with TX and RX.

FIT SLIM photocells have synchronism function in AC/DC current and ranges of 20 m.

Available 180°rotation
Resistive safety edge with NC or NO contacts.

Anti-sunlight design for outdoor application purpose.

WIRED PHOTO BEAM

F-PE-WD-B-W   Art No: 20206012

Technical date

Power supply	12/24V AC DC
Limit power supply	18-35V DC, 15-28V AC
Signal range(Max)	20 meters
Transmitting power adjustable	Yes
Adjustable Angle for Tx and Rx	Horizontally (-90 ° ~ +90 °)
NC/NO contact	Adjustable
Mounting adjustable bracket	Included (1 x pair)
Wire for TX and RX	Included (10m x 2)
IP grade	IP 65
Operating temperature:	-20ºC - + 70ºC

Advantage

One way wired (4 wire) photo beam with TX and RX.

FIT SLIM photocells have synchronism function in AC/DC current and ranges of 20 m.

Available 180°rotation
Resistive safety edge with NC or NO contacts.

Anti-sunlight design for outdoor application purpose.

Adjustable mounting bracket and connection wires.

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www.fmk-motorized.com