

# Reflex 2

motion

Time-saving motion sensor for automatic doors with remote controlled wide & narrow field switch

sensing the future



## Reflex 2: quickest set-up ever!

- **Quickest set-up** with remote controlled wide & narrow field switch and with preconfigured convenience functions
- **Meets or exceeds the new ANSI 156.10-2005 standards** as independently tested by TÜV [USA]
- **Higher performance** with advanced digital K-band microwave technology - Swiss engineered
- **Added safety** with advanced Slow Motion Detection [SMD]
- **Accelerated installation** and set-up with RC Duo, our exclusive bidirectional remote control
- **Increased energy conservation** with unidirectional sensing option



# Reflex 2: Quickest set-up ever!

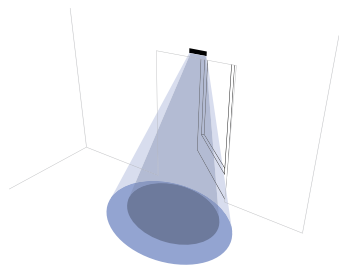
## Reflex 2 motion

Reflex 2 raises the bar again: it is the new standard in motion sensors for automatic doors. With its advanced sensors for remote settings, including wide & narrow sensing field switch, it provides the quickest set-up ever, thus saving you time and money.

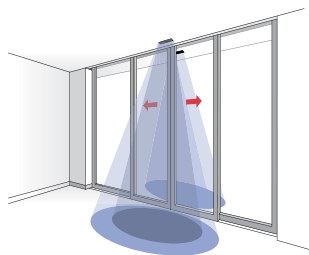


## Applications

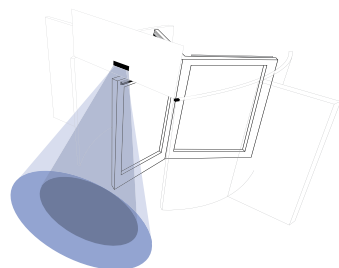
### SWINGING DOOR ACTIVATION



### SLIDING DOOR ACTIVATION



### REVOLVING DOOR ACTIVATION

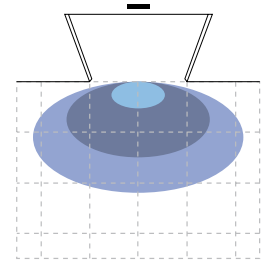


Reflex 2 is the most versatile sensor available. Its flexible design makes it the ideal solution for any door type.

Reflex offers a wide range of sensing field shapes and sizes, it can be mounted vertical or horizontal, and it can be recessed into a false ceiling. It can also be mounted on the side of a door. It is also equipped with SMD [Slow Motion Detection - dark blue area] which detects speeds as low as 2.5" per second!

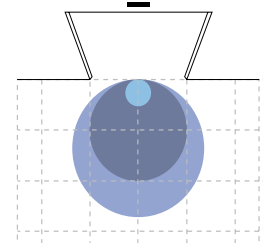
## Sensing fields - with remote!

### WIDE SENSING FIELD



Max. size: 13.1' x 6.6' [4 m x 2 m]  
Min. size: 3.3' x 1.6' [1 m x 0.5 m]

### NORMAL SENSING FIELD



Max. size: 8.2' x 8.2' [2.5 m x 2.5 m]  
Min. size: 1.6' x 1.6' [0.5 m x 0.5 m]

The Reflex offers a wide variety of sensing field sizes and shapes. Switch between wide & narrow fields with the touch of a button! With one sensor, cover all your applications, even the most challenging.

Light blue area: smallest motion sensing field

Medium blue area: largest motion sensing field

Dark blue area:  
\*SMD [Slow Motion Detection] with detection of speed as low as 2.5" / s.

Fields measured with sensor mounted at 7'2" [2.2 m]

## Accessories



**RC Duo**  
Remote Control Duo  
Exclusive bidirectional remote control with immediate feedback from the Reflex 2 on the remote



**RE-CR**  
Reflex Ceiling Recess  
Enables the installation of the Reflex 2 in a ceiling



**RE-RP**  
Reflex Rain Protection  
Protects the Reflex 2 from the weather



**RE-CM**  
Reflex Compatibility Mounting  
Replace other sensors with the Reflex 2 using existing holes



**RE-CD**  
Reflex Curved Door  
Enables the installation of the Reflex 2 on a curved surface, such as revolving door

## Components



1. connector
2. infrared receiver
3. LED indicators
4. adjustment buttons
5. antenna bracket for front adjustment
6. microwave motion sensor
7. ring for lateral adjustment
8. cable
9. mounting template
10. sensor cover

## Ordering

part number	name	description
sensors		
223031	Reflex 2 ES black	Reflex 2 with one way detection, terminal screw connector
accessories		
212534	RE-CD 1.0	Reflex Curved Door 1.0: adapter for curved doors - diam. 6' - 12' [1.8 - 3.6 m]
212535	RE-CD 2.0	Reflex Curved Door 2.0: adapter for curved door - diam. 12' - 20' [3.6 - 6 m]
212536	RE-CR	Reflex Ceiling Recessed: ceiling recess mounting kit
212537	RE-CM	Reflex Compatibility Mounting
212538	RE-RP	Reflex Rain Protection
212858	RC Duo	Remote Control [bidirectional]

# Technical specifications

## general characteristics

supply voltage	12 - 36 V DC / 12 - 28 V AC
power frequency	50 / 60 Hz
operating current	50 mA at 24 VDC, 68°F
mounting height [max]	13' [4.0 m]
degree of protection	IP 54
product conformity	R&TTE 1999/5/EC & EMC 89/336/EEC - FCC - ANSI/BHMA 156.10-2005
dimensions	6.9" [W] x 2.4" [H] x 2" [D] [176 x 62 x 54 mm]
housing material	cover: ABS; base: ABS
color of housing	black, white, silver
cable length	10' with plug [3 m]

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relay output	potential free change over contact
switching voltage	max 48 V AC/DC
switching current	max 0.5 A AC / 1 A DC
switching capacity	max 60 VA / 30 W
motion detector	
technology	digital planar microwave
transmitter frequency	24.125 GHz
output specifications	relay max. contact voltage: 48V AC /DC max. contact current: 0.5 A AC / 1 A DC max. switching power: 30 W / 60 VA
output hold-time	0.2 s to 0.5 s adjustable only with RC-Duo remote control
manual adjustments	wide / short to narrow / deep field: with clip position of the sensing field in 2 axes: mechanical multiple functions: push buttons & switches
remote control	multiple functions: output signal, convenience functions, detection mode, field size, hold time, cross traffic immunization, slow motion detection [SMD], digital filter.
minimum detection speed	0.25°/ s [inclination angle 35°]

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