jcm tech
technology & imagination

CAPTIVE system

SALES PITCH

NO TOUCH technology for safety edges

Anticipate the collision: A safety edge with NO TOUCH obstacle detection.
For a sliding gate

2
CAPTIVE system
SALES PITCH

Contents

we ♥ tech

4

CAPTIVE system

SALES PITCH

jcmtechnologies

APPLICATION

Designed for a metal sliding gate, CAPTIVE revolutionises the market with its NO-TOUCH system: a system with a safety edge incorporating NO-TOUCH contact-free obstacle detection.

With the CAPTIVE system, it prevents the gates from coming into collision with vehicles and people, thus avoiding any injuries and/or damage which may arise.

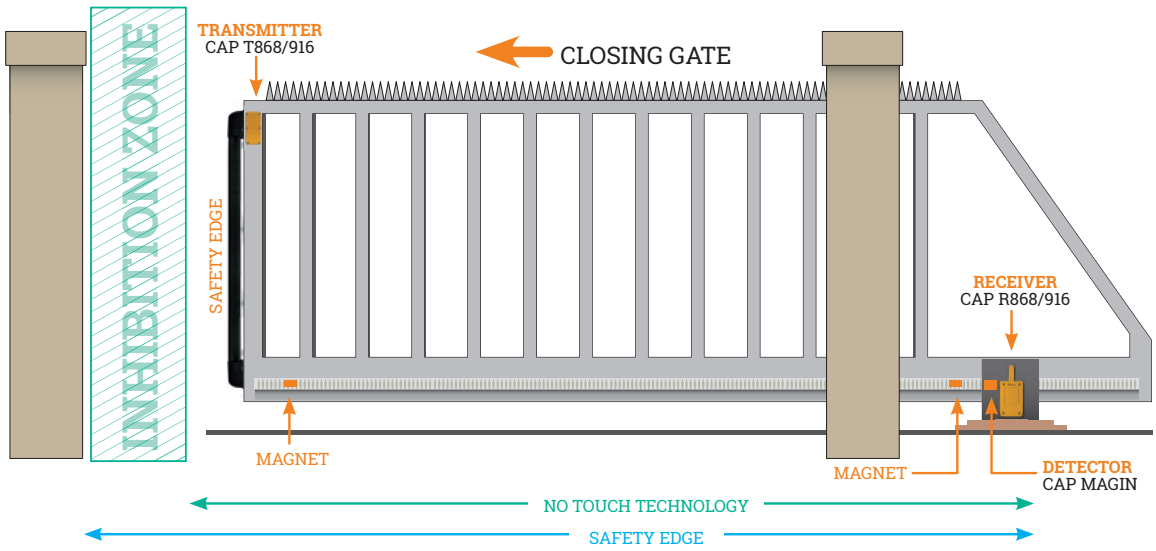
In addition sliding gates are so big that the collision with a heavy vehicle causes major damage to the gate and to its mechanisms. Should the gate turn over or simply come off the guides, this would involve a significant cost for the company or condominium.. Until it is repaired the access is unprotected, a situation which leads to a loss of security and consequences that are difficult to predict. With the NO-TOUCH system in the gate, this can be prevented.

The security and safety are guaranteed by the RADIOBAND system, a safety solution with an edge, with NO-TOUCH technology being the ideal anticipating mechanism to avoid the collision.

In addition, as it functions via radio it does not require cables, thus avoiding all the problems of wear and tear, providing easy and convenient maintenance.

The CAPTIVE solution consists of a transmitter, a receiver, a safety edge and a system of magnets, responsible for activating the NO-TOUCH system. The transmitter is built into the mechanical safety edges, with this being external for the resistive edges.

The transmitter and receiver are in permanent communication. If the communication is interrupted, the system enters safe mode, thus ensuring that the gate is protected and operates properly.



6

CAPTIVE system

SALES PITCH

jcmtechnologies

BENEFITS FOR THE MANUFACTURER/INSTALLER

Prevent damage to your gate with the first NO-TOUCH system from JCM

Discover all the benefits of the CAPTIVE system:

Saves time and the cost of repairs. As the obstacle is detected before the collision, the gate is prevented from being damaged.

Weatherproof protection. Rain, snow or dust do not cause unwanted detections.

Minimum maintenance. As it functions via radio it no longer requires cables, thereby avoiding all the problems of wear and tear, and lack of connection.

Reduces the wear on the mechanisms as a result of sudden reversals. The gate stops before performing the reversal.

Increases the speed of your gate. The non-reversal of the gate on detecting an obstacle allows for a higher speed.

Improves the useful life of the gate. By preventing the collision, the installation remains in optimal condition for a longer time.

Prevents injury to people and damage to vehicles. With the NO-TOUCH system, the collision is prevented.

And moreover:

- 5 years' guarantee.
- JCM's technical support.
- Reliability of a JCM product.
- Conforms to European and North American safety regulations.

8

CAPTIVE system

SALES PITCH

BENEFITS FOR THE USER

Protect your own with the first NO-TOUCH system from JCM

Discover all the benefits of the CAPTIVE system:

Prevents the gate from injuring people. With the NO-TOUCH system, the collision is prevented.

Protects the most vulnerable users. Ideal for grounds with users that require certain monitoring (schools, homes for the elderly, etc

Saves time and the cost of repairs by preventing the vehicle from bumping into the gate.

Prevents the gate from damaging vehicles by detecting the obstacle before the collision.

Minimum maintenance. As it functions via radio it no longer requires cables, thereby avoiding all the problems of wear and tear.

And moreover:

- 5 years' guarantee.
- Reliability of a JCM product.
- Conforms to European and North American safety standards.

10

CAPTIVE system

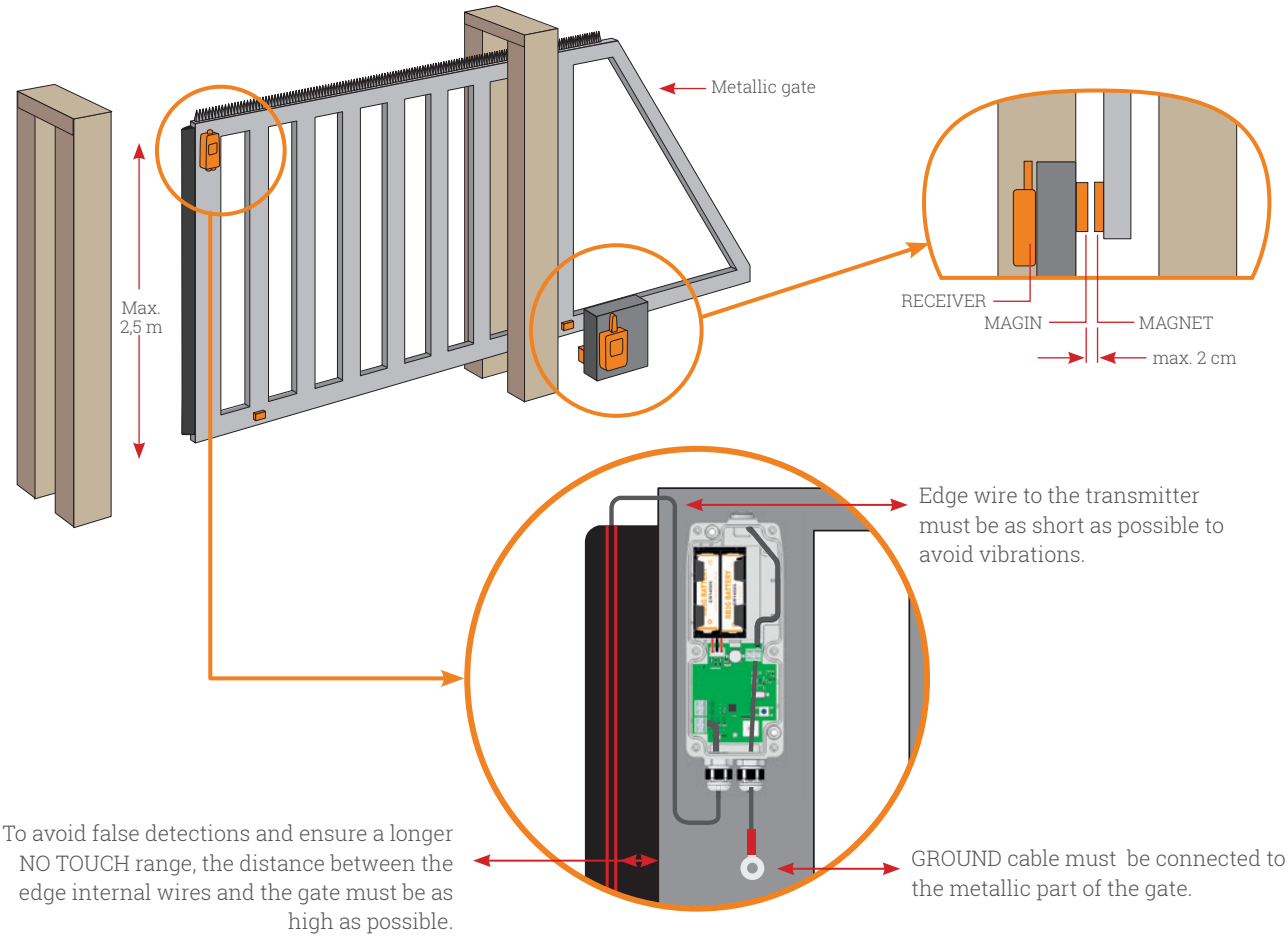
SALES PITCH

jcmtechnologies

FUNCTIONS OF THE SYSTEM

The CAPTIVE solution is made up of 3 devices: Transmitter, receiver and obstruction detector (magnets)

The NO-TOUCH function is only active when the gate is in motion and deactivates 30-50 cm before the door is completely closed. The two magnets installed in the door are responsible for activating/deactivating the NO-TOUCH, and inform the receiver via the obstruction detector.



TECHNICAL CHARACTERISTICS

Transmitters

- Nominal range (in open field): 50m.
- Power supply: two 3.6v DC ER14505AA class lithium batteries.
- Operating temperature: -20ºC to +55ºC.

In partnership with MillerEdge®

CAP T868/ CAP T916

- Transmitters with NO TOUCH technology for resistive safety edgess 8K2 /10K.
- Operating frequency: 868MHz / 916 MHz.
- IP65.
- Operating temperature: -20ºC to +55ºC
- Autonomy:

Battery life (years)	Number of manoeuvres/day					
Duration of manoeuvres (seconds)	600	300	100	50	25	10
10	2,08	2,50	2,89	3,01	3,07	3,11
30	1,24	1,78	2,50	2,78	2,95	3,06
50	0,88	1,38	2,20	2,59	2,84	3,01
100	0,51	0,88	1,70	2,20	2,59	2,89
300	0,19	0,36	0,88	1,38	1,92	2,50

CAP ACTIVE868

- Mechanical safety edge with transmitter incorporated and NO TOUCH technology.
- Operating frequency: 868MHz.
- IP 54.
- Operating temperature: -20ºC to +55ºC
- Autonomy:

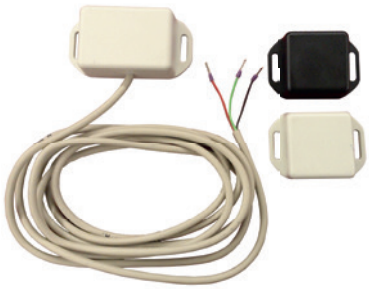
Battery life (years)	Number of manoeuvres/day				
Duration of manoeuvres (seconds)	300	100	50	25	10
10	2,43	2,91	3,06	3,14	3,19
30	1,63	2,43	2,77	2,98	3,12
50	1,23	2,09	2,54	2,84	3,06
100	0,76	1,55	2,09	2,54	2,91
300	0,30	0,76	1,23	1,78	2,43

Receivers

CAP R868 / CAP R916

- 868MHz/916MHz receiver for resistive, mechanical and optical safety edges.
- Together with the CAP transmitter it allows the activation and deactivation of the NO TOUCH technology.
- Nominal range: 50 m.
- Memory: 6 transmitters.
- Number of outputs: 2 relays.
- Power supply: 12/24v AC/DC 10%
- Relay contacts: 1A.
- IP54 (IP65 with compression glands).
- Operating temperature: -20ºC to +55ºC.

THESE RECEIVERS CAN OPERATE WITH RB3 T AND CAP T TRANSMITTERS



CAP MAGIN

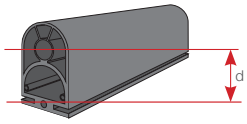
- Inhibition detector, with 2 magnets.
- Dimensions of detector: 67 x 35 x 20 mm
- Dimensions of magnets: 51 x 35 x 15 mm
- Detector-magnet distance: maximum 2 cm
- Length of CAP MAGIN cable: 2 metres

SAFETY SYSTEM WITH SAFETY EDGE AND NO TOUCH TECHNOLOGY

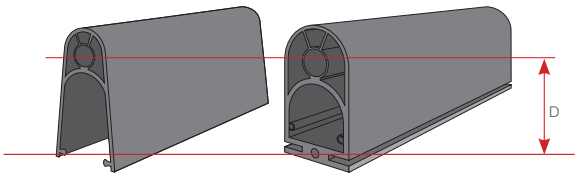
Safety edge tips

Required features to avoid false detections:

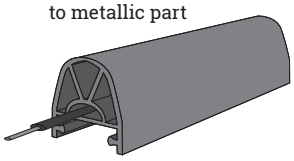
· High distance between the edge wire and the metallic part (profile).



BEST OPTION

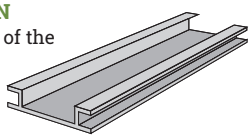


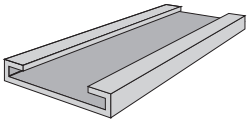
NOT RECOMMENDED
Wire vibrates and too closed to metallic part



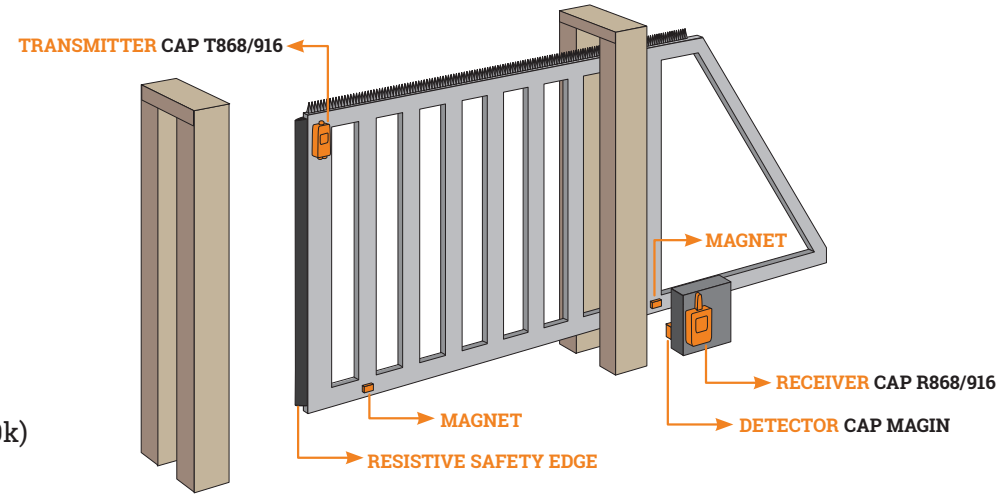
· Optimum fixation to the profile.

BEST OPTION
Less vibration of the safety edge.

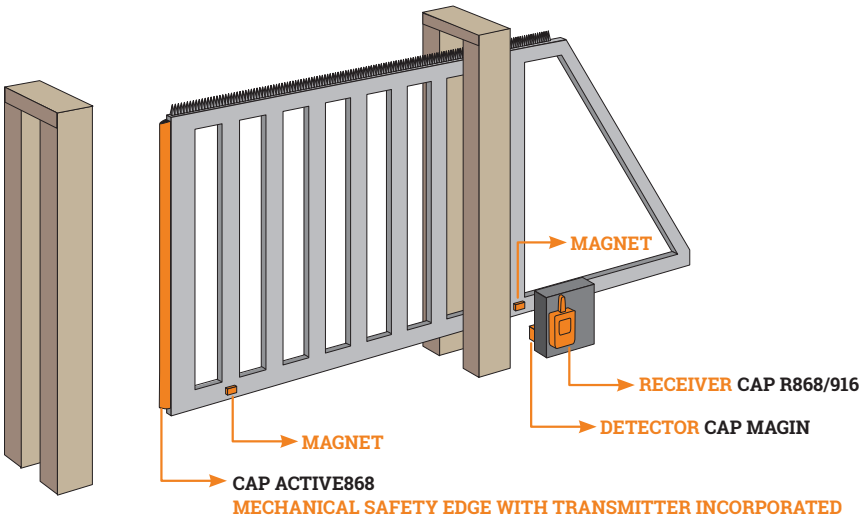




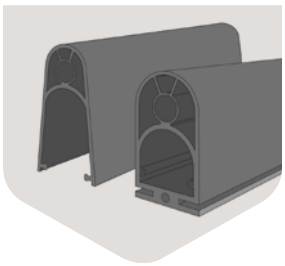
Example of application for resistive edge (8k2/10k)



Example of application for mechanical edge



ACCESSORIES



8K2 OR 10K RESISTIVE SAFETY GATE

5 years guarantee for **JCM** products

KEE range • **VERSUS** line • **MOTION** line • **RADISAFETY** products
ROLL868 DMR

Consult JCM guarantee and after-sales conditions

CERTIFICATIONS

The system complies with EN ISO 13849-1:2008, Category 2 Pld (with auto-test function)

JCM certifies its products in accordance with market regulations. We currently have products with the following certifications: CE, NF, TÜV, FCC and UL.

jcm tech
technology & imagination

JCM Technologies Limited, Office 10, Halsall Business Park, Halsall, Lancashire, L39 8RG
Phone: 01704 807557 · mjackson@jcm-tech.co.uk
www.jcm-tech.co.uk

CAPABLE TECHNOLOGY

NO-TOUCH technology that prevents the door from striking people and vehicles. Combined with Radioband3 enabling the safety edge to communicate with the control panel via radio and offer an optimal and safe solution in the installation, in accordance with European and North American standards.

we tech


Cloud Assistant


RadioSens


RadioB and


GoBio


KEE


RBand SPC


Captive
*Product in development


Soft Assistant

FC CE TÜV Applus+ NF UL GUARANTEE 5 YEARS

jcm tech
technology & imagination