

electronic solutions for doors, gates and automatic  
entry control elements

# Free

hands-free system for  
vehicles and people



any door will open  
within 1.5, 3 or 5 metres

**jcm**technologies

be a step ahead with technology and imagination



**Free30r**  
Nominal range: 3 metros  
Power supply: 12/24Vac/dc  
Wall support

**Free50r**  
Nominal range: 5 metros  
Power supply: 230V  
Presence detector contact  
Wall support

**Free50rs**  
Nominal range: 5 metros  
Power supply: 230V  
Integrated presence detector  
Wall support

**Free15r**  
Nominal range: 1.5 metros  
Power supply: 12/24Vac/dc  
soporte pared

**FreeTH**  
Active tag  
Luminous operation indicator  
Low battery warning  
Receiver programming by proximity  
Ideal for controlling wandering people: Geriatric Homes - Hospitals - Offices  
single-use waterproof plastic wristband  
reusable waterproof fabric wristband

**FreeT**  
Active tag  
Acoustic operation indicator  
Low battery warning  
Receiver programming by proximity or button  
Ideal for controlling access: Offices - Car parks - Industries  
clothes clip  
car stand

### Con el sistema manos libres de JCM se te abrirán todas las puertas sin necesidad de apretar ningún botón

With the JCM hands-free system you will be able to open any door without having to press any buttons.

When you walk into the range of action of the Free**15r/30r/50r/50rs** antenna with the Free**T/TH**, the antenna goes off and sends a radio signal that can reach up to 100 metres in an open space.

It is very simple to install because it does not require wiring as it works with radio signals. The ranges of action of the antennas go from one metre and a half to five metres, depending on the model.

The Free**T** range has been designed to be used in vehicles, as well as for individual use of pedestrians, in private and professional areas, enabling the control of the access of people and goods.

The Free**TH** is a multipurpose product, specially designed to control wandering people, to locate people in buildings, to control presence, emergency and evacuation plans... in companies, offices, banks, sports centres, hospitals and geriatric homes, amongst others.

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be different

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Be different thanks to the advantages of the hands-free systems. Professionals who purchase and install this product will be able to offer their clients an innovative and leading system in this sector.



### Benefits for distributors and installers

Become an important distributor/installer of innovative and technological products with an increasing demand on the market.

MOTION devices (for JCM distributors).

Access to new applications and installations.

Hands-free for controlling access.

### Benefits for the user

Highly convenient (no buttons required to open the door).

Higher security because the activation area is completely defined by the system.

FreeTH is a multipurpose product, specially designed to control wandering people, to locate people in buildings, to control presence, emergency and evacuation plans.

Versatile to use because FreeT can be used as a standard transmitter with no presence of hands-free triggers.

Can be used in MOTION access control centres.

FreeT supplied with clothes clip and car stand.

FreeTH supplied with single-use or multipurpose wristband.

With acoustic activation feedback and low battery warning.

### Hands-free and button for voluntary activation

The Hands-Free system combines hands-free activation with button activation on the FreeT device.

A two-directional communication with feedback for the user can be established.

### Low-cost hands-free system

The Free hands-free system also stands out because of its price – it is affordable for small residential estates (50 users) and even for individuals.



# Free

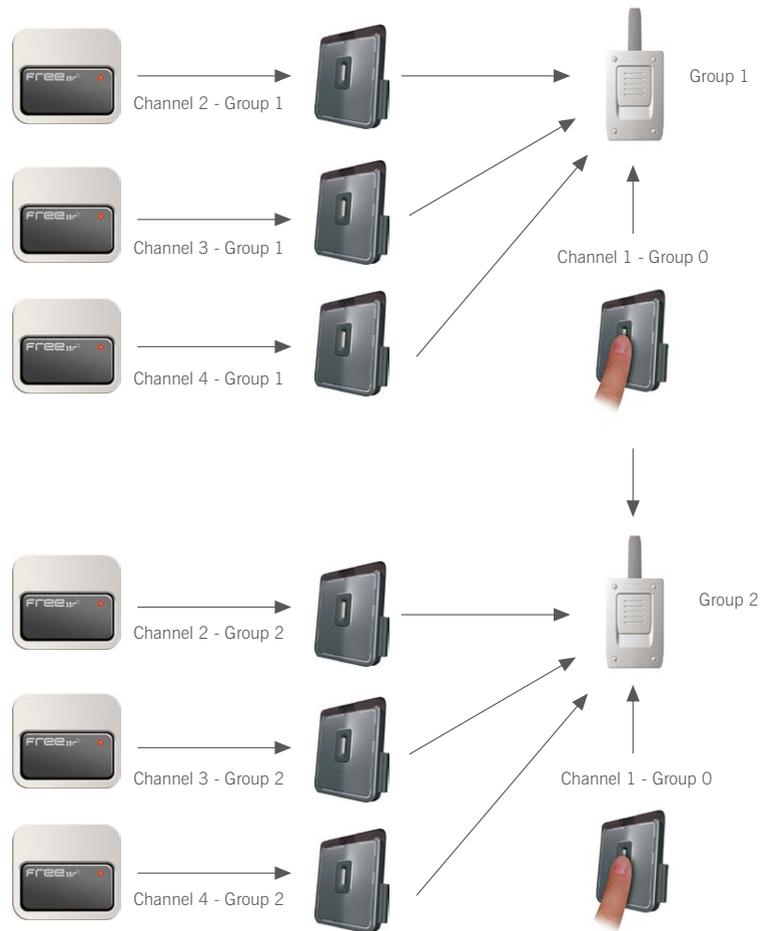
hands-free systems for vehicles and people  
versatility

# Free

hands-free systems for vehicles and people  
versatility

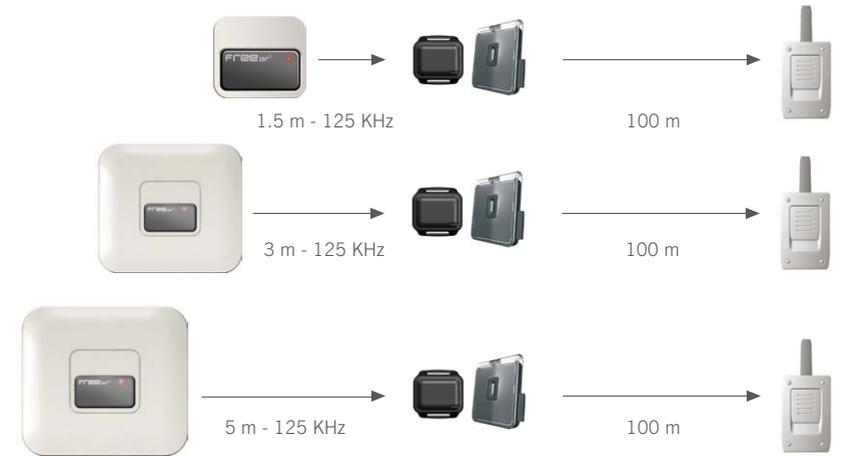
## Group concept

Thanks to the innovative group concept and anti-collision system, the FreeT tag can open up to 21 different doors in the same installation and the FreeTH 28. Ideal for applications with fast doors and control of wandering people.



## Independent trigger

The Free15r, Free30r and Free50r triggers are completely independent from the receiver; they only need power supply to work. When a Tag Free gets close enough to the trigger, within 1.5, 3 or 5 m depending on the model, it comes on and sends a signal to the receiver at a distance of up to 100 metres.



## Access control



# Free

hands-free systems for vehicles and people

## versatility

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## versatility

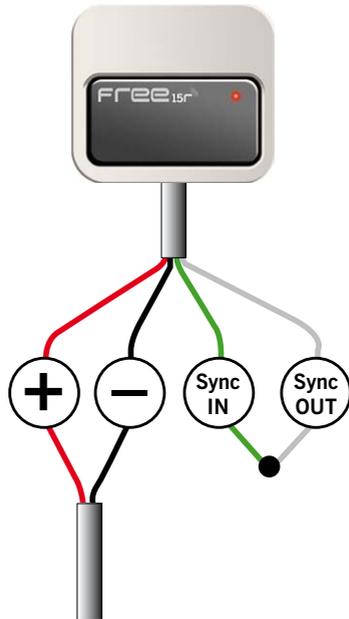
### Receiver power supply

Both trigger models, Free15r and Free30r, require 12 - 24V, direct and alternating. The Free50r and Free50rs models require 230V.

### Individual installation

It must be connected to a power supply of 12 - 24Vac/dc or 230V as the diagram shows. We recommend short-circuiting the IN and OUT synchronisation signals.

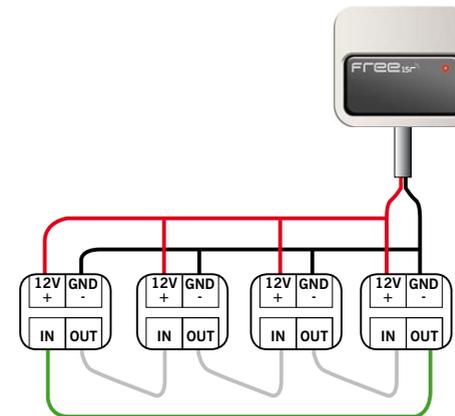
If the presence detection is not use in the version Free50r, the presence cable has to be joined up with the ground wire.



### Collective installation

In a collective installation system of triggers (different versions of triggers can be connected), they must be connected in series, up to four units.

In order to work properly, the synchronisation signal OUT must be connected to the synchronisation signal IN of the next trigger, and when we get to the last unit, we link it up to the first one, following the same diagram (this connection is only necessary when the same door is going to be opened with more than one antenna and we want to extend the hands-free distance).



### 2 years of autonomy

The size and the type of batteries have been designed to guarantee a duration of about 2 years.

### Controlling the status of the batteries

Low battery warning on the transmitter with an acoustic signal.

# Free

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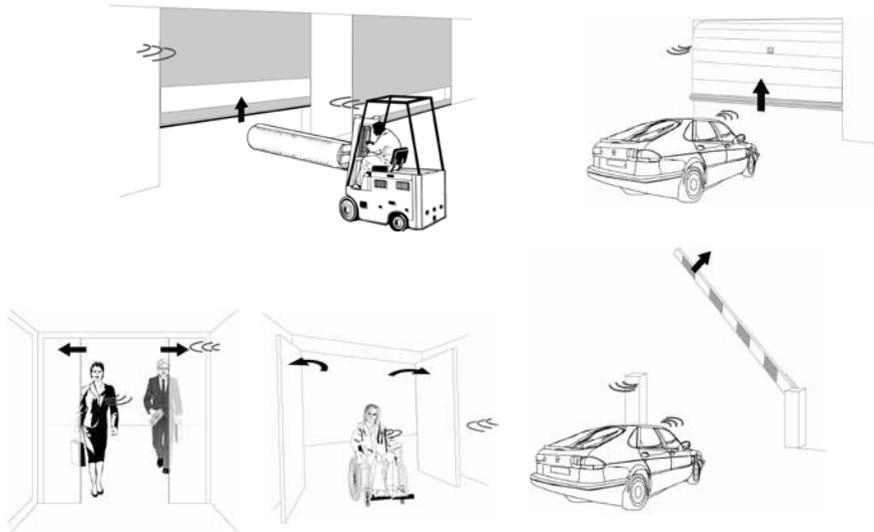
## reliability

### Control of the hands-free activation

While the **Free** hands-free tag is in the area of activation, the activation button must be pressed to activate the tag again or to leave and enter in this area again.

### High precision of the activation

With the **Free15r** trigger, the hands-free tag is activated within 1.5 meters, ideal for pedestrians.  
 With the **Free30r/50r/50rs** triggers, the distance of activation will be 3 to 5 metres, ideal for vehicles.



# Free

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## Free50 operation

The **Free50r** model can work with or without presence detector. If you do not wish to use the detector, the presence cable must be connected with the ground wire, and it works just like the **Free15r**, **Free30r**, but it comes on at a distance of 5 m.

When you want to connect the presence detector to the antenna, either with a photocell or a magnetic detector, it is connected with the presence cable and the ground wire. When it detects presence, the tag activation comes on.

The **Free50rs** model has an incorporated sonar that works as a presence detector, when it detects presence the tag activation comes on.

PERSONS	CAR	WALL
3.5 A 5 METERS	FRONT 5.0 A 5.5 METERS - SIDE 6.0 A 6.5 METERS	7.0 METERS

All the models in this range can be used with an **ACTIVAGO**, a **CONNECT** and all the **MOTION** receivers and central units.



**Free**  
hands-free systems for vehicles and people  
certifications



ISO 9001



EUROPEAN UNION  
CERTIFICATION



FEDERAL COMMUNICATION  
COMMISSION

