

## Control centrals

### CC-123F

A control central for receiving incidents of the SMC system, dealing with them and communicating with the call points.



Signalling & Intercommunication

- Reception of calls and presence, identifying origin and type.
- Display presentation of all calls pending ordered by priority.
- Transfer of selective control to four possible receiver centres.

### CC-119F

Control central with signalling only to receive the incidents of the SMC system.



Signalling

- Simultaneous attention of calls and presence along with other centrals.
- Connection for programming names of intercommunicators from the computer.
- Indicators of status and type of call.
- External call signalling.

### CC-142F

Intercommunication central with 19" touchscreen and graphic presentation of incidents on plan. It receives calls and presences from the SMC system, presents them on the plan, establishes communication, registers and deals with the information, facilitates the statistical study of the incident management...



- Plant plans with informative icons of the location of call points.
- Call display table / incidents and record in file (historical).
- Immediate connection by pressing on the plane, the call display table or by means of a control keypad.
- Programming of substations and transfer management.
- File with photograph and data identifying the call point.
- Export of XLS files and statistical graphics for control and improvement of service quality.
- Check the availability of supply the software and the interface (only for functions of supervision and management of information, without audio communication)

## Control modules

### MT-DA/B

A transfer control module for systems with several centrals and with control transfers between them. It has one input and four outputs, electrically isolated and with regenerated data.



### SC-BUS

Control module to electrically sectorise and isolate the communications bus, to separate different sections of connection and avoid the propagation of errors or breakdowns.



## Intercommunicators - hospitals, clinics and residences

### TH-03F | TH-02F

A multifunction intercommunicator with the possibility of establishing all kinds of call and presence with the central, communicating with it and with other intercommunicators. Suitable for rooms in hospitals, clinics and residences. The two models can make a connection with the intercommunicator that has produced the most priority call. The TH-03F includes a small display that shows the origin and type of the call.



Power supply	24 Vdc
Central connection	5-line SMC bus
Local connection buttons	2 x 0.5 mm <sup>2</sup> , max. 20 m
Local connection lamps	3 x 0.5 mm <sup>2</sup> , max. 20 m
Loudspeaker	8 Ohm, 4 W maximum
Dimensions (mm)	230 x 140 x 10
Finish	ABS, ivory colour
Box for flush installation	2010 model
Surface box	CAJ-TH model

### Audio modules

#### AM-1F | U-AM

Communication modules with loudspeaker and microphone to make an audio connection through the UR control units.



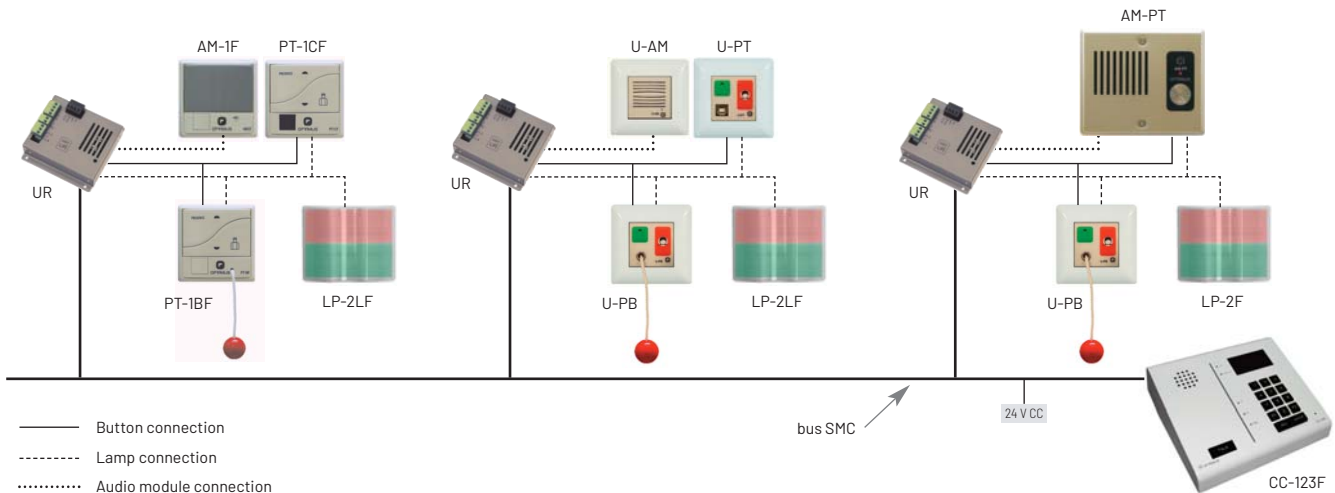
### Audio module for access points

#### AM-PT

Intercom with call button, microphone and speaker. It connects to the control units of the UR series.



- Front plate
- Stainless steel call button
- Allen screws
- LED call in progress
- High sensitivity omnidirectional microphone
- Humidity resistant speaker

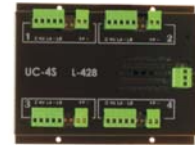


## Remote control units

**UR** audio + data 1 zone

**UR-4** audio + data 4 zones

Control electronics that establishes communication of audio + data between the centrals, the call and signalling devices of the system and the audio modules, with amplification and transmission volume adjustment from the central. Models available to control a series of mechanisms (a room) or four units (four rooms).



**UC-S** data 1 zone

**UC-4S** data 4 zones

Control electronics that establishes data communication between the centrals and the different system call devices and signalling. Models available to control a series of mechanisms (a room) or four units (four rooms).

	UR	UR-4	UC-S	UC-4S
Power supply	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Consumption (rest/max.)	25 mA/230 mA	45 mA/230 mA	25 mA/200 mA	45 mA/200 mA
Capacity	1 set of devices	4 sets of devices	1 set of devices	4 sets of devices
Central connection	5-line SMC bus	5-line SMC bus	3-line SMC bus	3-line SMC bus
Local connection buttons	2 x 0.5 mm <sup>2</sup> , max. 20 m	2 x 0.5 mm <sup>2</sup> , max. 20 m	2 x 0.5 mm <sup>2</sup> , max. 20 m	2 x 0.5 mm <sup>2</sup> , max. 20 m
Local connection lamps	3 x 0.5 mm <sup>2</sup> , max. 20 m	3 x 0.5 mm <sup>2</sup> , max. 20 m	3 x 0.5 mm <sup>2</sup> , max. 20 m	3 x 0.5 mm <sup>2</sup> , max. 20 m
Local audio connection	4 x 0.5 mm <sup>2</sup> + display, (20 m)	4 x 0.5 mm <sup>2</sup> + display, (20 m)	-	-
Dimensions (mm)	102 x 102 x 23	165 x 120 x 23	102 x 102 x 23	165 x 120 x 23
Finish	grey metal	grey metal	black metal	black metal

## Calling modules

### U-ML | ML-F | ML-P

Handheld call controls for patients, with 1.9 m cable and RJ45 or USB connector.



**ML-P**

- Call button.
- 1.9 m cable .
- RJ45 connector.



**ML-F | U-ML**

- Call button.
- Call under way LED.
- Buttons (2) to activate lights (by 24 Vdc teleswitches).
- 1.9 m cable.
- ML-F: RJ45 connector.
- U-ML: USB connector

## Corridor light

### LP-2LF

Light to signal the state of the calls and presences generated by the devices and intercoms in the room.



## Wireless system

The wireless call controls avoid breakage due to accidental pulling, are always within the patient's reach and are more hygienic as the cable and connector are eliminated. The patient's model works by radio, synchronising with the receiver and long range; the nurse's by infra-red, short range.

**ML-R**



Patient control  
Via radio  
Range 20 m

**ML-RP**



Nurse control  
Infra-red  
Range 5 m

**ML-RC**



Control for programming  
Infra-red  
Range 5 m

### RL-1

Wireless control receiver both via radio and infra-red, to accept calls, presences and programming of the wireless controls.



## Mechanisms for signalling & call

Signalling and call mechanisms for flush mounting and signalling of call to the centres. They are connected to a remote unit (UR or UC series) or to a TH-02F/TH-03F intercommunicator to complete the equipment of the call points.

### U series for universal box

#### Call button

##### U-PT

Buttons: presence and normal call.  
LEDS: call under way and active presence.  
USB connector for U-ML control.  
Disconnected control warning.



U-PT (+ M-420W)

#### Sealed bathroom pull cord IP65

##### U-PBI

Urgent call with pull-cord.  
IP65 protection.



U-PBI (+ M-420W)

#### Bathroom pull cord

##### U-PB

Buttons: presence and normal call.  
Urgent call with pull cord.  
LEDS: call under way and active presence.  
Emergency call.



U-PB (+ M-420W)

#### Metal call button

##### U-PM

Configurable button for call (normal or emergency) or presence.  
LEDS: call under way and active presence.  
Entirely metal.



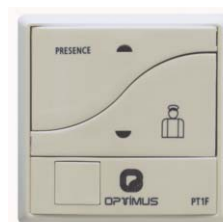
U-PM (+ M-420W)

### PT series (built-in frame)

#### Call button

##### PT-1F

Buttons: presence and normal call.  
LEDS: call under way and active presence.  
Emergency call.

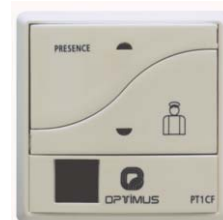


PT-1F

#### Call button

##### PT-1CF

Buttons: presence and normal call.  
LEDS: call under way and active presence.  
Emergency call.  
RJ45 connector for ML controls.

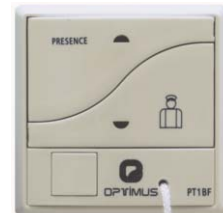


PT-1CF

#### Bathroom pull cord

##### PT-1BF

Buttons: presence and normal call.  
Urgent call with pull cord.  
LEDS: call under way and active presence.  
Emergency call.



PT-1BF

#### Fall sensor

##### MDC-01

Element that detects the fall of a person and made an emergency call. It has two sensors, one motion detection and another fall detection, and is commonly used in geriatric bathrooms, residences and hospitals.



## Anti-vandal intercoms - industry

### EP-405 - EP-405H

Weatherproof anti-vandal intercom with robust metal front 3 mm thick, mylar loudspeaker (weatherproof) and protected by an internal metal grille, metal call button, torx safety screws and protection against dust and water IP65.



EP-405



EP-405H

Special model for emergency call points, such as those installed in the **refuge areas**, with large SOS letters in red, pre-recorded message for call in progress, accessibility pictogram and CALL word in braille.

Power supply	24 Vdc
Consumption (rest/max.)	25 mA / 230 mA
Central connection	5-line SMC bus
Door opening connection	2 x 0.5 mm <sup>2</sup> , max. 20 m
Loudspeaker	2.5" mylar, 16 Ω
Dimensions (mm)	123 x 186 x 3,0 ( flush)
Finish	stainless steel
Box for flush installation	CE-EP model
Surface box	CS-EP model
Relay (optional)	RY-PA5

## Intercoms - industry

### SAM-M

An intercommunicator with front plate and stainless steel call button, allen screws, one-way high sensitivity microphone and damp-proof loudspeaker.



Power supply	24 Vdc
Consumption (rest/max.)	25 mA/230 mA
Central connection	5-line SMC bus
Door opening connection	2 x 0.5 mm <sup>2</sup> , max. 20 m
Loudspeaker	2.5" mylar, 16 Ω
Dimensions (mm)	128 x 110 x 5 (flush)
Finish	stainless steel
Box for flush installation	CAJ-24206 model
Surface box	CAJ-SAM model
Relay (optional)	RY-PA5

## Integration kit

### SAM-M2

Also available as a kit (SAM-M2) for integration in lifts, payment machines, cashpoints, barriers...

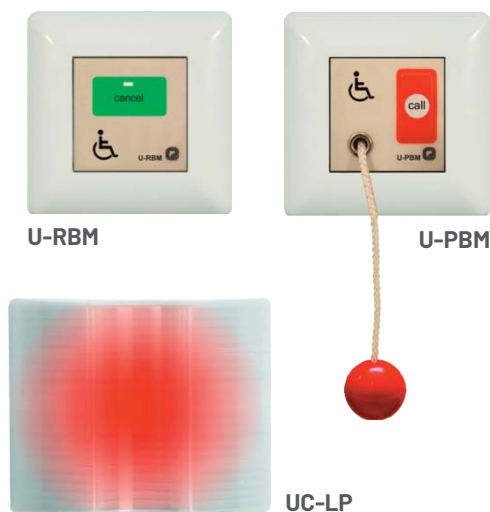


## Signaling for assisted bathrooms

### KB-10F

A set of devices for equipping assisted baths as per the Building Technical Code (CTE - DB SUA - SUA3), to give assisted baths a call system that allows users to know that their call has been received with acoustic and light signalling in a control centre or a place they frequently pass.

	U-PBM	U-RBM	UC-LP
Power supply	24 Vdc	24 Vdc	24 Vdc
Consumption	34 mA	34 mA	100 mA
Dimensions (mm)	45 x 45 x 45	45 x 45 x 45	102 x 125 x 61
Finish	ABS white	ABS white	ABS & metal
Included accessories	frame M-420W 2 x bola roja	frame M-420W	power supply 24 Vdc
Surface box	C-417S	C-417S	Direct
Flush box	L-170E	L-170E	L-170E
Connection	4 x 0,25 mm <sup>2</sup> (bus)	3 x 0,25 mm <sup>2</sup> (bus)	4 x 0,25 mm <sup>2</sup> (bus) 2 x 2,5 mm <sup>2</sup> (24 Vdc)



## Centralization

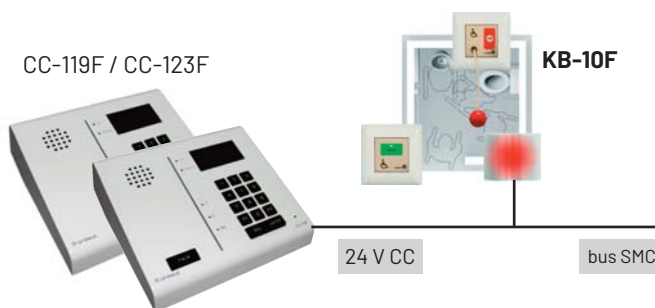
### CC-40F

Call signaller for up to four assisted baths, with four LEDs and MUTE button to temporarily cancel the sound while waiting for the call to be attended and cancelled from the bath reset button.



### KB-10F and SMC

The KB-10F kits can be connected to an SMC intercommunication and signaling system installed in a hospital or nursing home. The UC-LP unit behaves as one of the remote control units of the UC / UR series and signals the call in the SMC system control centrals.



### Spanish Building Technical Code\* DB SUA - SUA3

#### 2- Seguridad frente al riesgo de aprisionamiento en recintos

"En zonas de uso público, los aseos accesibles y cabinas de vestuarios accesibles dispondrán de un dispositivo en el interior fácilmente accesible, mediante el cual se transmita una llamada de asistencia perceptible desde un punto de control y que permita al usuario verificar que su llamada ha sido recibida, o perceptible desde un paso frecuente de personas."

Real Decreto 173 / 2010, de 19 de febrero, por el que se modifica el Código Técnico de la Edificación. Boletín Oficial del Estado, jueves 11 de marzo de 2010.

*\*original standard in Spanish, not intentionally translated*

