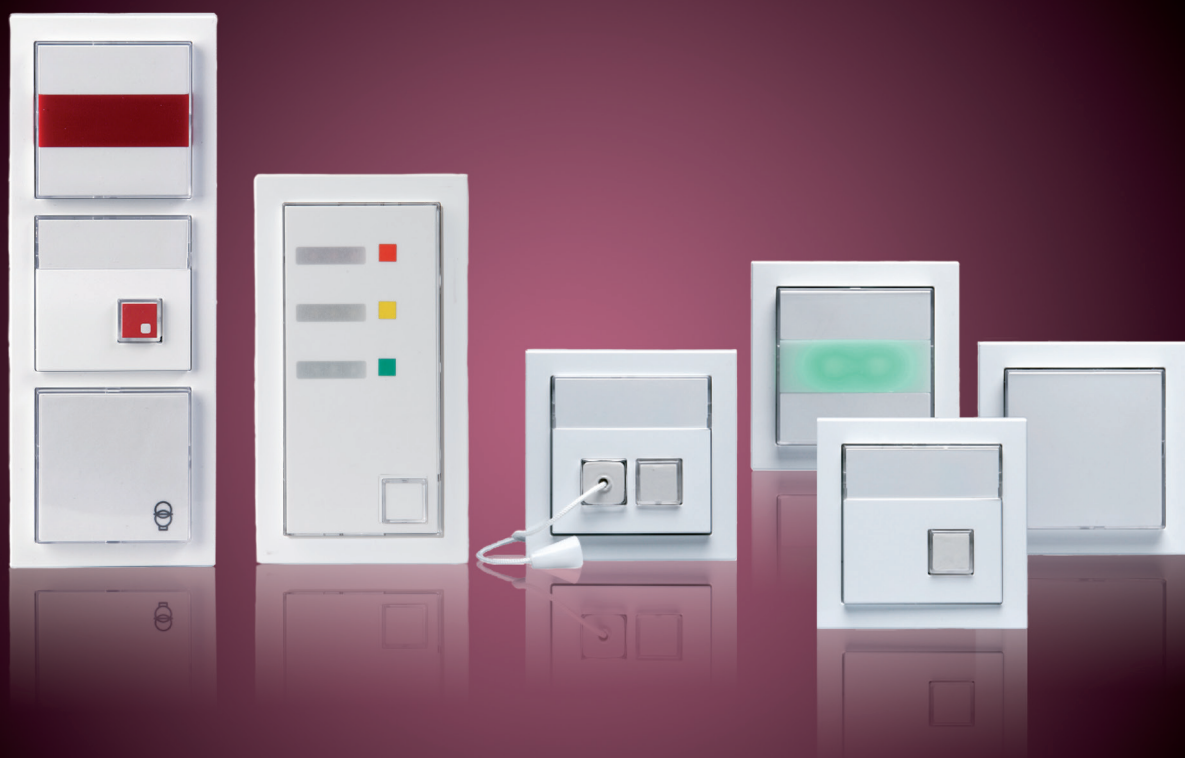




Signal products
Easy solutions

Signal products

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4

Introduction to Signal products

1



Easy solutions

While our environment is becoming increasingly automated and technologically supported, there remains a demand for user friendly, reliable and economical calling and alarm systems. ABB Signal products can be used for building up easy, functional and economical calling and alarm systems for versatile needs

Easy

- To design
- To install
- To use
- To maintain

Reliable

- Simple solutions
- Decentralized systems

Economical

- Pay only for needed functions
- Maintenance free solutions

Typical applications include disabled WC alarm systems, nurse calling systems in hospitals, day and health centres, service calls in hotels and door or panic alarm systems in offices and public buildings. In addition the leakage guard is an useful application for all kinds of sites.

Please visit our web pages for more information on Signal products and applications. You can download and print product cards (HTML/PDF) and useful labels for your products using the Signal labelling program. Furthermore download auto cad files and example systems:

www.installationmaterials.com/page/55/Signal

Ready solutions

1

Signal systems are easy to design by making different combinations of the basic features. The intelligence behind the systems is the control unit, an alarm panel, available as 1- or 2-loop. Each loop has a LED and a reset/cancelling button,

and an 1 k Ω end resistor is connected to each loop. There is a possibility to connect closing and opening potential free contacts. The loop controls itself against short circuits and breaks.

Basic installation

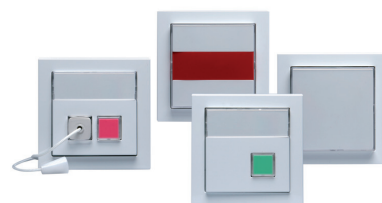
The installation is done using common tele cabling e.g. MHS 1 x 4 x 0,5, KLM 4 x 0,8 and KLMA 4 x 0,8 + 0,8.



Jussi-leak Guard set



Office system



Invalid WC -system

Reliable functions

ABB Signal products have a long history on the markets and the products have proven their reliability with time. The maintenance and extension of the systems can be done by a general electrician and the spare parts are widely available at

local wholesalers in Scandinavia. The assortment is developed according to market demand and the products are being improved continuously while the compatibility with ABB wiring accessories is maintained.



Included in standard WA -series

ABB Signal products are part of the high-quality Jussi and Impressivo WA series. This ensures uniform installation in projects.

Jussi products combine a timeless design, a wide product range and flexible installation methods. Jussi is an excellent choice for dry indoor installations. The silky matt white surface (RAL9010) is made from high-quality material and is easy to maintain.

The **Impressivo** range gives you the choice of highlighting details or blending in harmony with the look as a whole. You can combine the four stylish colors freely and also use various styling cover frames to upgrade the design. These models are ideal for spaces in which first-class solutions are required.



Jussi RAL9010



White
RAL9016



Anthraxite
RAL7021



Aluminum
RAL9006

From Jussi to Impressivo

Jussi center parts can be removed and changed to corresponding Impressivo parts. Eight Impressivo center part packages cover all Jussi signal products. Uniform installation

enables the customer to choose the design and color at any stage of the project. All Impressivo colors are available.



Impressivo center parts and cover frames



1P-84
1P-83
1P-81



2P-84
2P-83
2P-81



4P-84
4P-83
4P-81



PT-84
PT-83
PT-81



T-84
T-83
T-81



V-84
V-83
V-81



6V-84
6V-83
6V-81



U-84
U-83
U-81



1721F85-84
Vit



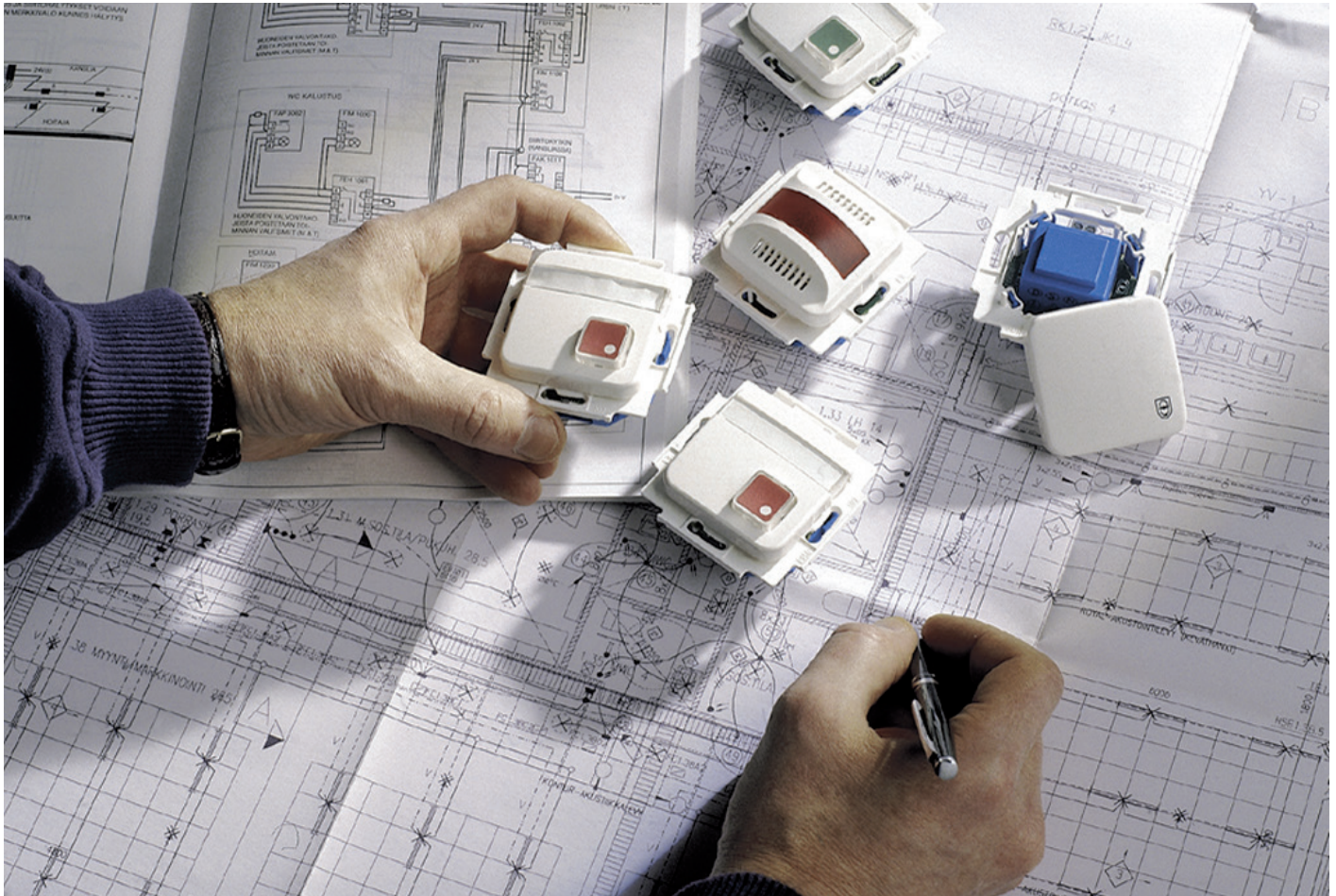
1721F85-81
Antracit



1721F85-83
Aluminium

Control unit intelligence

2



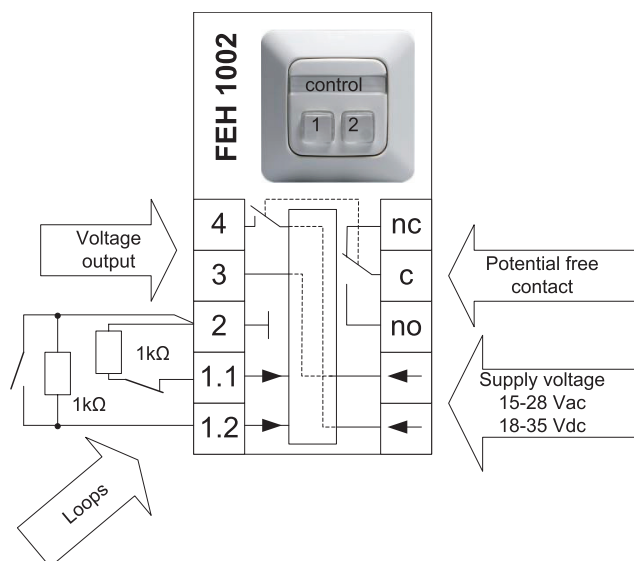
The control units are the central intelligence in a Signal system. When you understand the simple function and operation of the control unit, you can realize how easy it is to produce various systems by combining the Signal products.

Control Units operate like traditional alarm control centers, and are available as 1- or 2-loop. Each loop has a LED and a cancelling/disconnecting button. The LED flashes during

alarm. When cancelled/disconnected the LED lights constantly. Push buttons or switches are connected to the loop as well as any closing or opening potential free contact. The loop controls itself against short circuits and breaks. An 1 k Ω end resistor is connected to each loop.

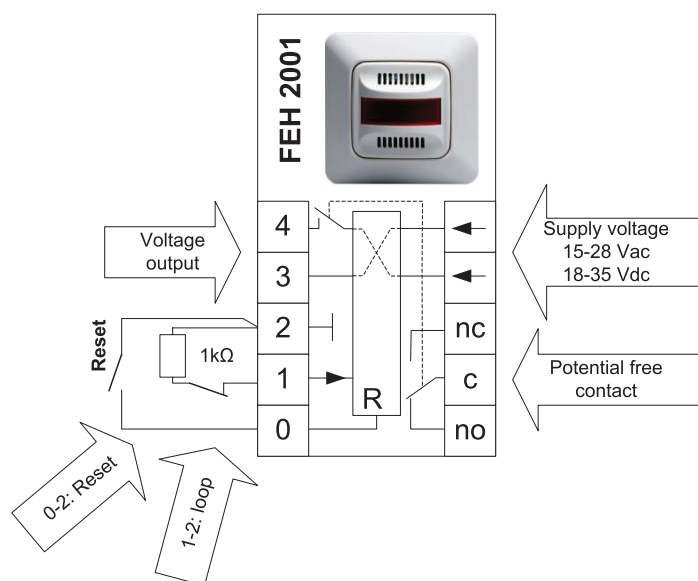
Control unit operation

2



Control units **FEH1001** and **FEH1002** include a separate cancel button and a signal light for each loop. Control unit **FEH1101** has a switch instead of the button and therefore the loop can be disconnected. In an alarm situation the signal light flashes and when reset or disconnected it will light steadily. The signal light can be tested using the button.

The unit also has an action selector to switch the memory function on or off. When the memory is ON the alarm will continue until it is reset with the control unit cancel button. With the other action selector the alarm delay can be set for 0,2 or 2 seconds.



FEH2001 has mainly the same functions as the above described units. The main exception is that it doesn't include the cancel button but has an entry for one. When a button or buttons are connected to this entry can the alarms be remotely cancelled from several places. If instead of a button a switch is connected then the unit can be disconnected. In addition the unit has a large red signal light and buzzer. In case of alarm the light will flash and the buzzer will sound. When reset or disconnected it will light steadily and the sound will stop. The unit has also an action selector to choose the loop memory settings.

Disabled WC -alarm

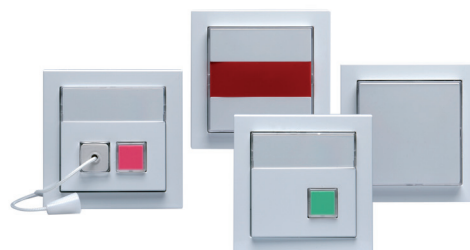
3



The disabled WC calling system serves disabled people and others who need help in toilet facilities.

When the alarm call button / draw cord is activated inside the toilet, the alarm unit outside the toilet will light up and simultaneously the buzzer will sound. The push button will light as a calming signal that the alarm has been activated. The alarm will continue until it is cancelled. The system can be built with multiple parallel call button units.

Disabled WC products in Impressivo:



1 Alarm call
FAP3002



2 Cancel button
FEH1001



3 Transformer
FLM1000

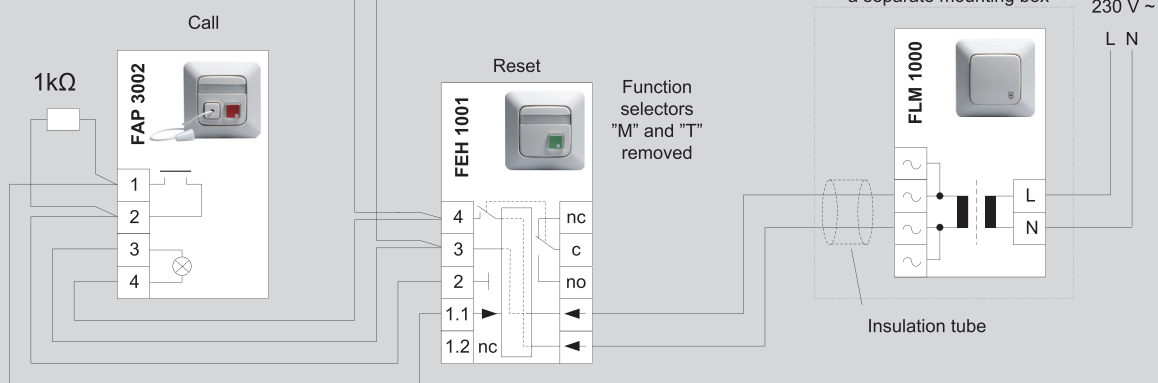
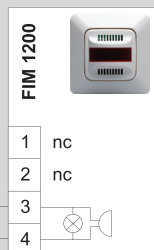


4 Alarm
FEH 2001



3

Corridor



WC

RWC-larmsystem liittäminen KNX-taloautomaatioon

3



Järjestelmä voidaan varustaa useammalla rinnakkaisella hälytyspainikkeella ja se voidaan liittää sisääntuloyksikön US/U2.2 avulla KNX-taloautomaatiojärjestelmään. Näin voidaan kerätä erikseen rakennuksia olevat inva-WC:t yhteiselle hälytystaululle tai valvomoon.

KNX-taloautomaatiojärjestelmää voidaan hyödyntää myös:

- varattuvalojärjestelmässä
- palvelutalon avunpyyntöjärjestelmässä
- sosiaaliomistuksen hätähälytysjärjestelmässä
- kosteusvalvonnassa
- hotellien huonepalvelussa
- jne.



KNX on hyväksytty seuraavien standardien mukaisesti

- European Standard (CENELEC EN 50090 and CEN EN 13321-1)
- International Standard (ISO/IEC 14543-3)
- Chinese Standard (GB/Z 20965)
- US Standard (ANSI/ASHRAE 135)

1 Avunpyyntö
FAP3002

2 Palautus
FEH1001

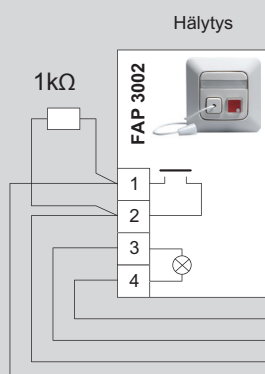
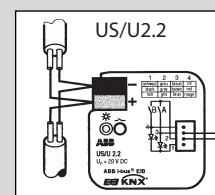
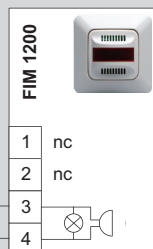
3 Muuntaja
FLM1000

4 Hälytin
FIM1200

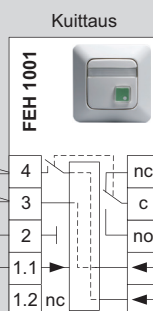
5 I/O-yksikkö
US/U2.2



Käytävä



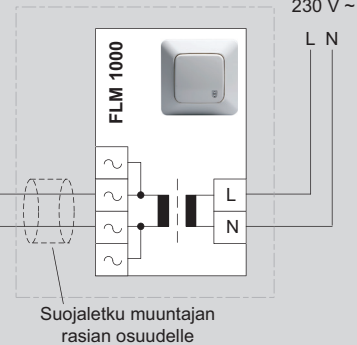
Hälytys



Kuittaus

Toiminnan valitsimet
"M" ja "T"
poistetaan

Muuntaja aina omaan rasiaan



WC

Leak Guard

3



Leak Guard controls water using devices and domestic appliances as well as construction sites, where the water damages are most evident.

The Leak Guard uses as it's sensor the tape sensor or for example a pair of peeled cable heads that are connected to the guarded area. When the sensor /cables detect water or increased humidity, the leak guard alarm is activated. The alarm can be reset by pressing the push button. The signal light will remain lit until the area is dry. By combining the system to a mains relay, it will close the magnet valve to the main water pipe in case of an alarm.

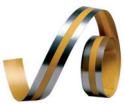
Jussi Leak Guard Set
FJW2100



Impressivo Leak Guard



1 Tape sensor
FLA210.02



2 Alarm unit
FIM1200



3 Leak guard
FEH2100



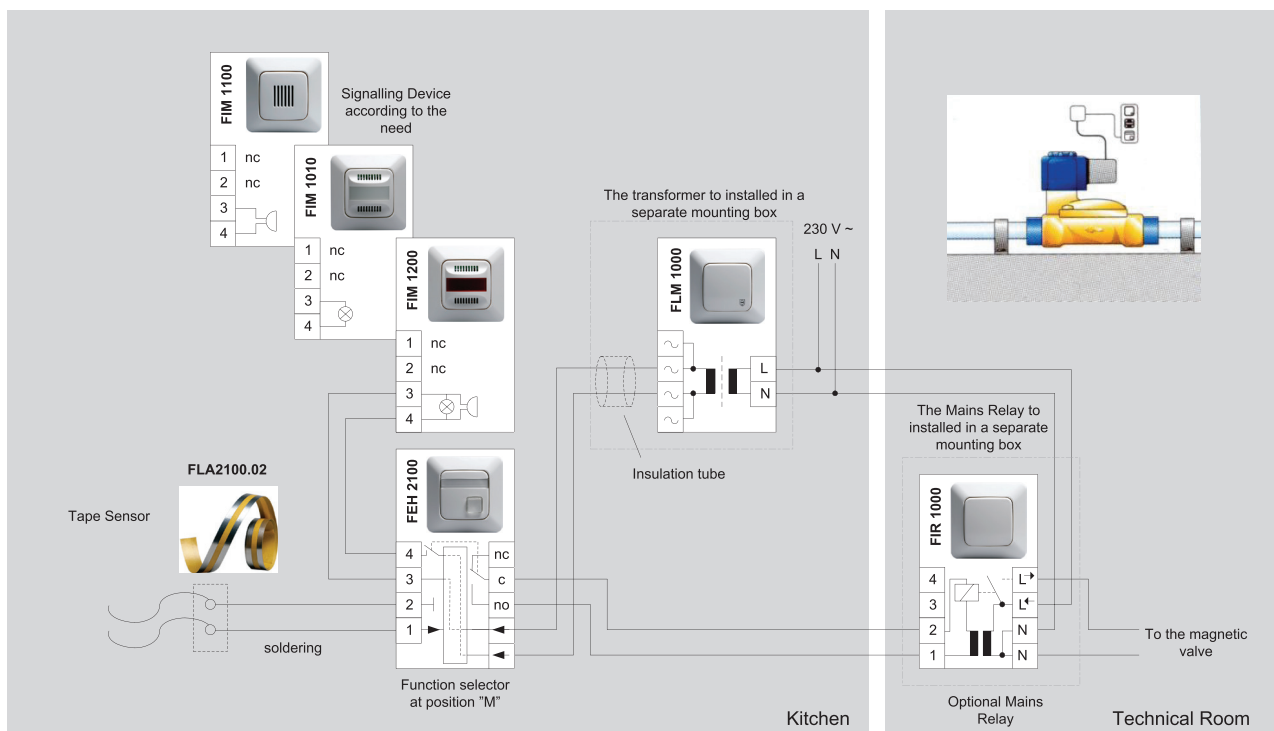
4 Transformer
FLM1000



5 Mains relay
FIR1000



3



Panic alarm in a social office

3



The panic alarm system is suitable for giving the employees basic protection against violence in public buildings and offices.

Each room has two alarm units, one inside and one outside the room. When the alarm button inside is activated, the signal light outside the room is lit, but inside the room there is no alarm. Simultaneously the alarm units inside the other rooms give out the alarm so that colleagues know to come to help. The alarm is canceled with the cancel button inside the room. Alarm units may be placed according to need also in other areas e.g. in the office.

Alarm units with sound and light



Signal lights (without buzzer)

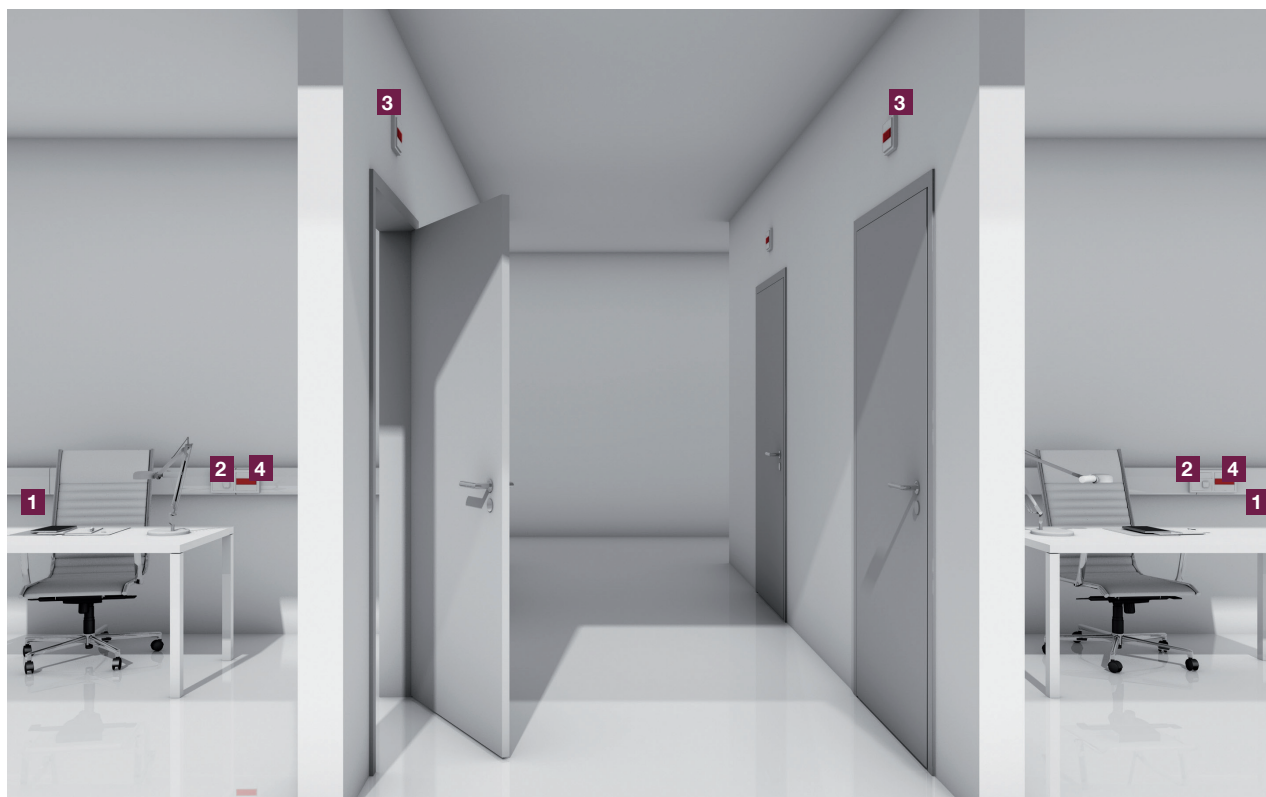


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- 



Calling system in day centers

3



This system is suitable for day centers, where there are calling buttons in each apartment. The nurse receives the alarms to one alarm panel which is located in the office.

Office alarm panel in Impressivo

In rooms or apartments the call buttons are usually placed next to the bed, in the toilet and in the kitchen. The alarm light outside the room or apartment shows from where the call was made. Calls are centrally directed to the alarm panel in the office. When a call is made, a signal light and sound guide, help to the right room. The alarm can be reset from the office but cancelled only from the calling room or apartment.



1 Call button
FAP2001



2 Cancel button
FEH1001



3 Alarm light
FIM1000



4 Alarm panel
FIM1300



5 Buzzer with
cancel button
FIP1001



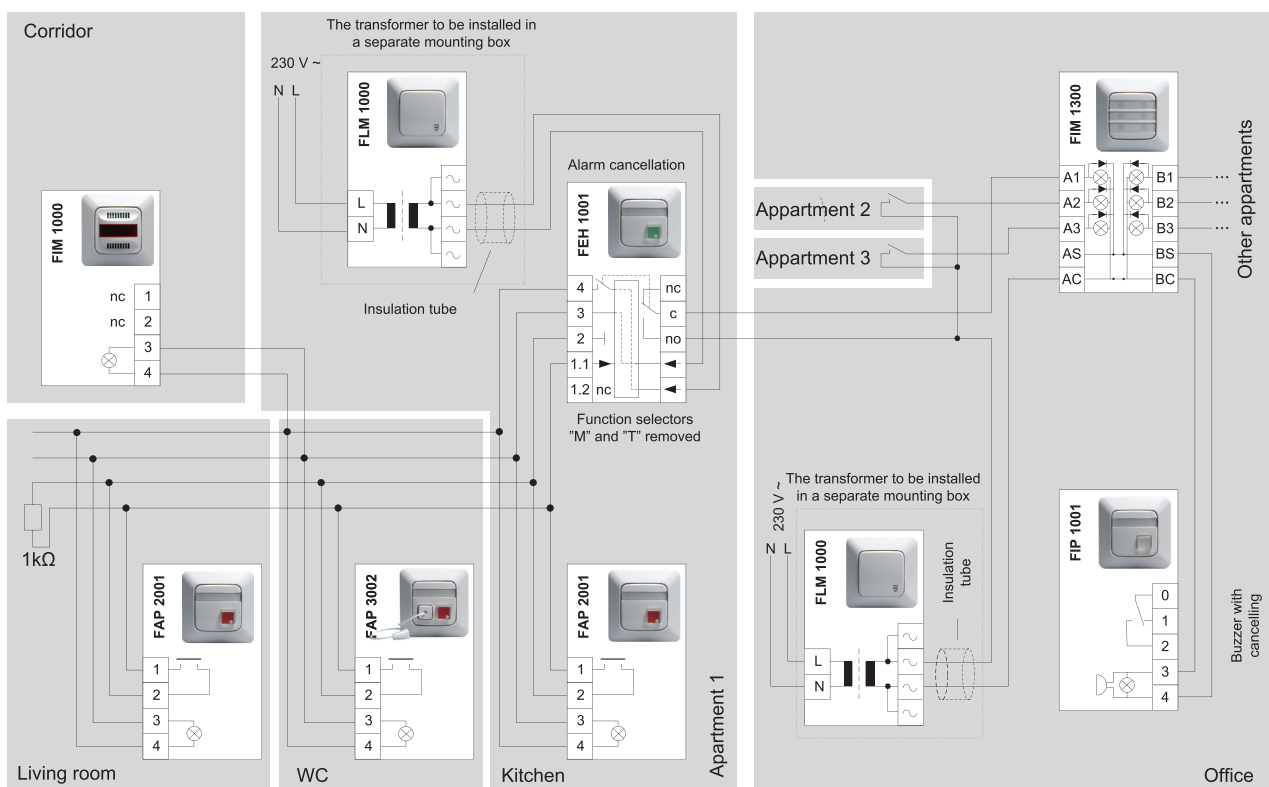
6 Call button
FAP3002



7 Transformer
FLM1000



3



Entrance request in office hotels

3



This system is well suitable for office hotels or clinics. The system enables to transfer a signal from the front door inside to several receiving points. The signal can be cancelled from each receiving point. At the same time one can open the front door remotely.

The entrance request call buttons are placed by the main entrance door. When the desired office button is activated the corresponding office reception buzzer will call and the signal light will go on. The LED in the call button will also light as a signal to confirm the call was successful. When the call is canceled at a reception, it will be canceled at all the connected receptions. At the same time the door is opened to the caller.

Entrance request call buttons in Impressivo



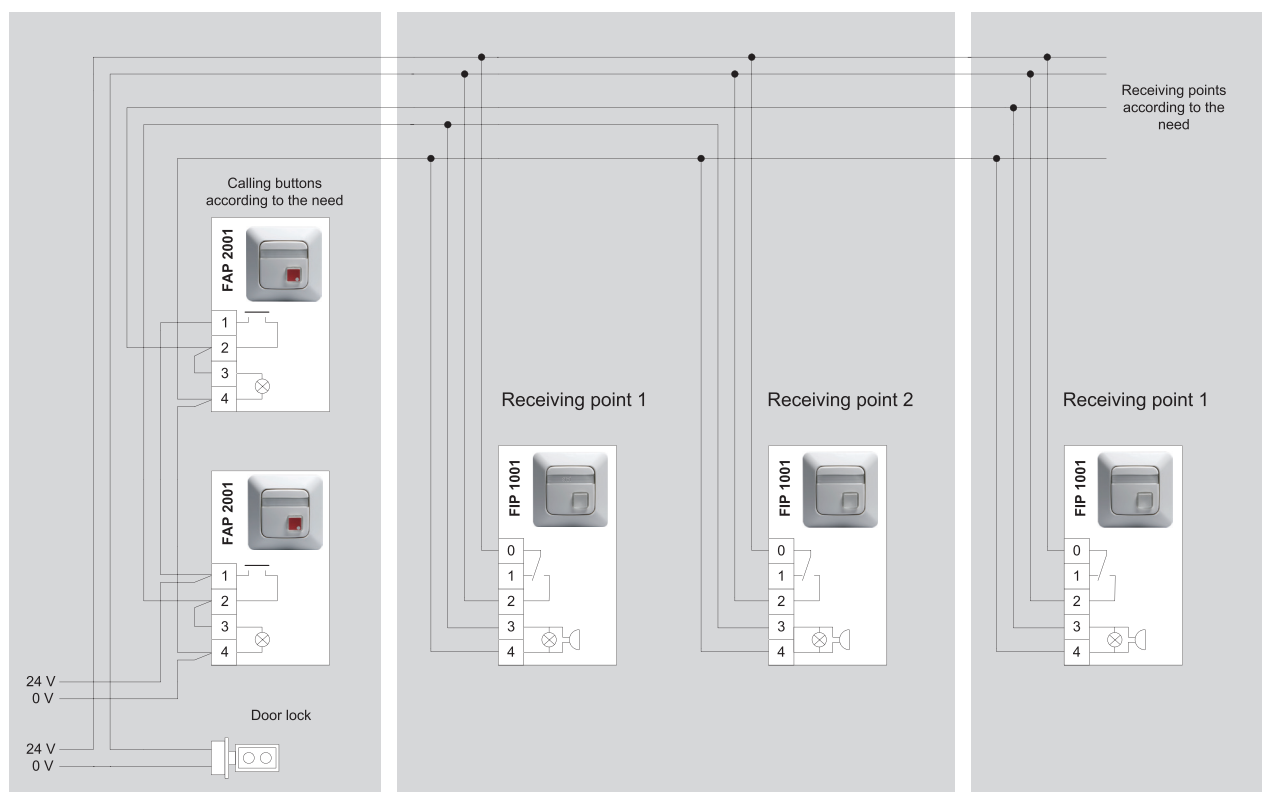
1 Buzzer with cancel button and door opening
FIP1001



2 Call button
FAP2001



3



Busy Light

3



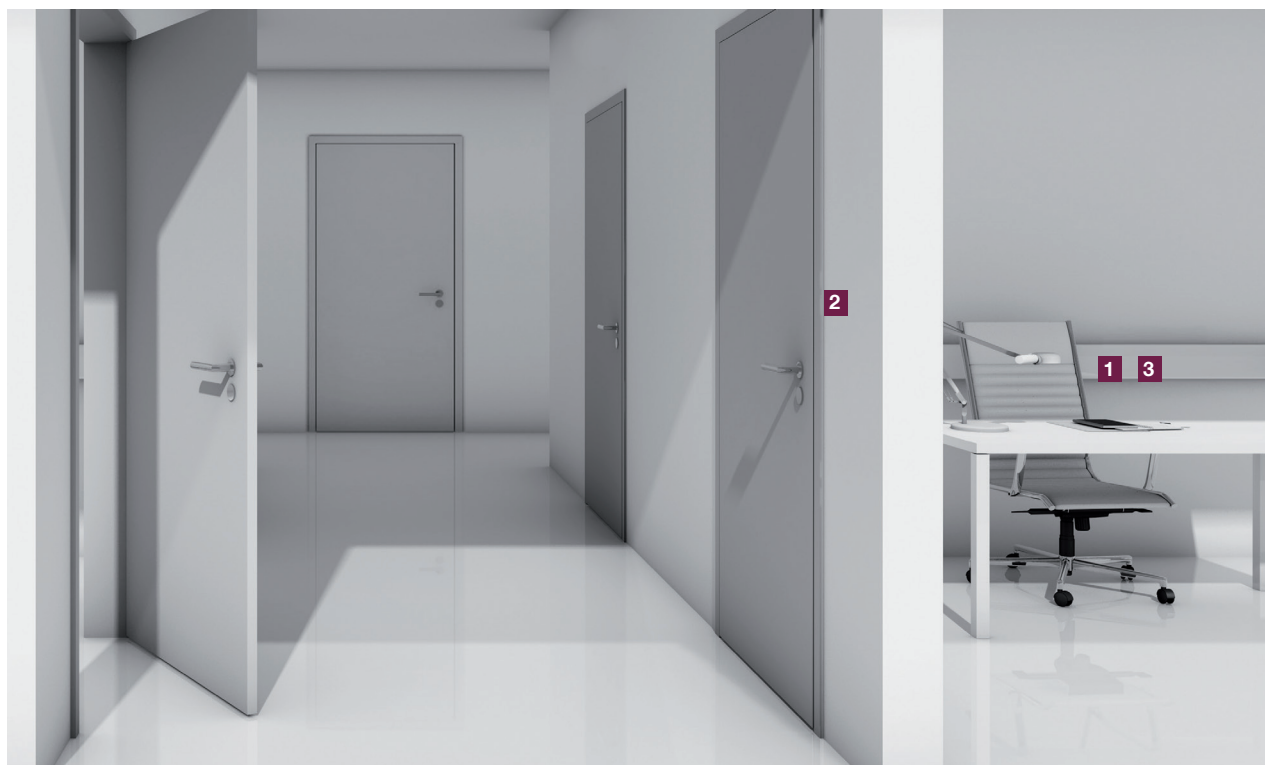
The busy light is used in offices, conference etc. rooms to indicate the message "do not disturb" to people outside the room.

When the switch inside the meeting room is on, the signal light outside in the hallway will indicate that the room is occupied and a meeting is ongoing. Inside, on the switch, the LED light will also light to signal to the meeting room attendants that the busy light outside has been activated. Both lights will go out when the switch is pressed again. Several signal lights and switches may be connected to this system, according to need.

Signal light with labelling in Impressivo



- 



FIM 1000



nc 1

nc 2

 3

4



Office Signal

3



The office Signal system is suitable for public buildings, offices and hospitals, where one has to wait for his/her turn before entering the room. The system installations can be easily and flexible done in flush- and surface mounted boxes and trunkings.

The basic system includes a door panel where the caller is able to see if the person is busy, free or on the phone. There is also a "door bell" button on the door panel. The table panel inside the room is used to control the signal lights on the door panel and to respond to calls, whereby a green light is lit on the door panel.

The system can be connected to both digital and analogue phone systems, whereby a yellow "wait" light will light for the time the phone is occupied. The system can also include an adapter relay that enables the table panel's switch to function as a panic alarm call button for example.

Table panels in Impressivo -colors



1 Name plate
FLT1000



2 Door panel
FIO2000



3 Adapter relay
FIR2000



4 Table panel terminal
FOT2000

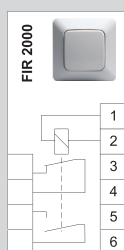


5 Table panel
FIP2000

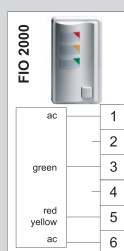


3

Corridor

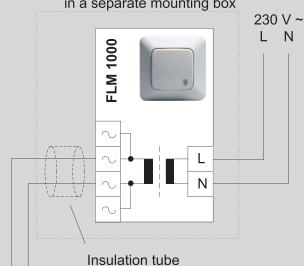


Connection to
for example
alarm systems
with an optional
adapter relay

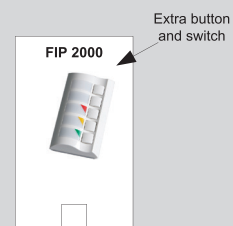
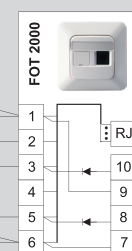


Digital telephone system

The transformer to be installed
in a separate mounting box



Insulation tube

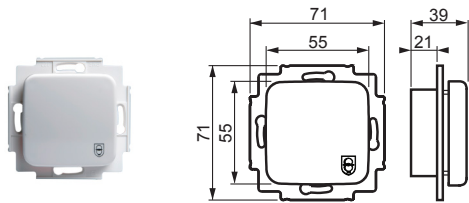


The closing contact of
the auxiliary device of
the digital phone is
connected to
terminals 7 & 8 to
make the automatic
yellow light control
possible.

Office

Product information

Transformer

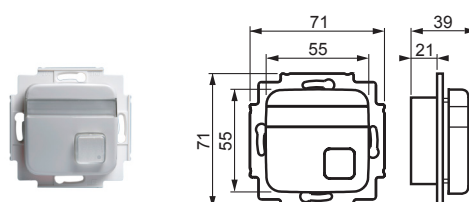


Transformer

Small size transformer to be installed in normal mounting box. Short circuit protected. Voltage: 230 V ac / 15 V ac Power / loading capacity: 2,2 VA / 150 mA.

TYPE	CODE	DESCRIPTION	PACK.QTY
FLM1000	64 100 70 607 650	Transformer	1/10

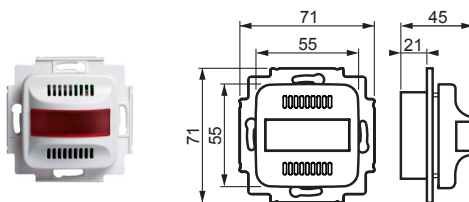
Control Units



Control Units, 1- and 2-loop

Available as 1- or 2-loop. Each loop has a LED and a cancelling/disconnecting button. The LED flashes during alarm. When cancelled/disconnected the LED lits constantly. Possibility to connect closing and opening potential free contacts. Loop controls itself against short circuits and breaks. Function selectors "M" memory ON/OFF and "T" delay OFF/2 sec. Potential free output. Good marking possibilities. Operating voltage: 15 - 28 V ac / 18 - 35 V dc. Current consumption, FEH1001 and FEH1011: 70 mA ac / 40 mA dc, FEH 1002: 110 mA ac / 60 mA dc.

TYPE	CODE	DESCRIPTION	PACK.QTY
FEH1001	64 100 70 607 117	Control Unit, 1-loop	1/10
FEH1002	64 100 70 607 124	Control Unit, 2-loop	1/10
FEH1101	64 100 70 607 148	Control Unit, 1-loop, disconnectable	1/10

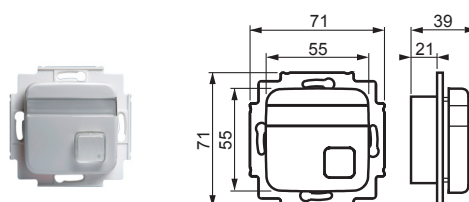


Alarm Unit, 1-loop

Operates as FEH1001, but has a bigger signal light, which flashes during alarm. When cancelled, it lits constantly. Cancelling/disconnection has its own input. When a push button/switch is connected to this terminal, the device could be cancelled/disconnected from a distance or from several points. Possibility to connect closing and opening potential free contacts. Loop controls itself against short circuits and breaks. Function selector "M" memory ON/OFF. Potential free output. Operating voltage: 15 - 28 V ac / 18 - 35 V dc. Current consumption 110 mA ac / 60 mA dc.

TYPE	CODE	DESCRIPTION	PACK.QTY
FEH2001	64 100 70 607 179	Alarm Unit, 1-loop	1/10

Push Buttons and Switches



Signal Push Button

Signal Push Button with LED. Adressed / non-adressed function. Good marking possibilities. Operating voltage 9,5 - 28 V ac / 9,5 - 35 V dc. Current consumption: 20 mA ac / 10 mA dc. Switching voltage / -current / -power: 30 V ac / 35 V dc / 100 mA ac/dc / 3 VA/W.

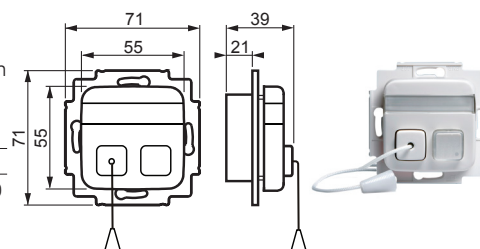
TYPE	CODE	DESCRIPTION	PACK.QTY
FAP2001	64 100 70 607 216	Signal Push Button, 1-fold	1/10

Push Buttons and Switches

Signal Push Button with Cord

Signal Push Button with Cord corresponds technically to the Signal Push Button FAP2001. Length of the Cord is 2,5 metres.

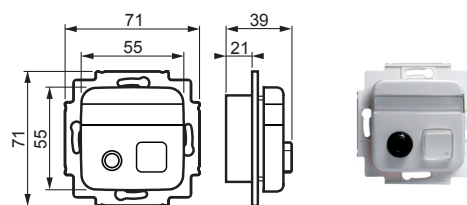
TYPE	CODE	DESCRIPTION	PACK.QTY
FAP3002	64 100 70 607 261	Signal Push Button with Cord	1/10



Signal Push Button with Plug Terminal

Signal Push Button with LED. Additional Jack connector for 6.3 mm plug to which the wire push button FAP9001 can be connected. Addressed / non-addressed function. Good marking possibilities. Operating voltage: 9,5-28 Vac / 9,5-35 Vdc. Current consumption: 20 mA ac / 10 mA dc. Switching voltage / -current / -power: 30 Vac/35 Vdc / 100 mA ac/dc / 3 VA/W.

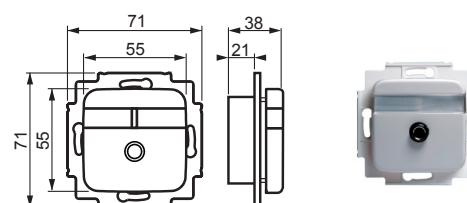
TYPE	CODE	DESCRIPTION	PACK.QTY
FAP3011	64 100 70 607 285	Signal Push Button with Stereo Plug Terminal	1/10



Stereo Plug Terminal

Stereo Plug Terminal is used for 6.3 mm Jack connector (stereo). It can be used in calling and alarm systems as a socket outlet for connecting the Wire Push Button FAP9001, or as a headphone or loudspeaker terminal. Good marking possibilities.

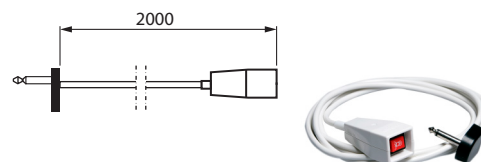
TYPE	CODE	DESCRIPTION	PACK.QTY
FOT3103	64 100 70 608 633	Stereo Plug Terminal for 6,3 Jack Plug	1/10



Wire Push Button

Push Button with 6.3 mm plug. Closing contact. Length 2m.

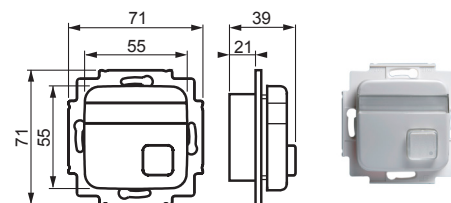
TYPE	CODE	DESCRIPTION	PACK.QTY
FAP9001	64 100 70 607 308	Wire Push Button with 6,3 Jack Plug	1/10



Button / Buzzer

A device including a push button as well as a buzzer. The LED of the push button and the buzzer operates in parallel. The buzzer can be cancelled with the push button. In alarm position the LED flickers. When cancelled it lites constantly till the alarm goes off. Good marking possibilities on the push button and the name plate. Operating voltage 9,5 - 28 Vac / 9,5 - 35 Vdc. Current consumption: 45 mA ac / 35 mA dc. Load capacity of the switch: 42 Vac / 60 Vdc, 250 mA ac/ dc, 6 VA / 4 W

TYPE	CODE	DESCRIPTION	PACK.QTY
FIP1001	64 186 77 310 423	1-fold	1/10



Push Buttons and Switches

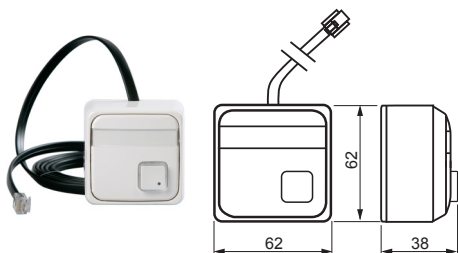
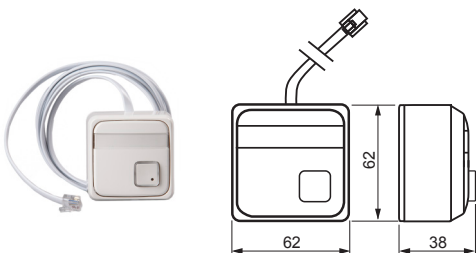


Table Push Button

A pre-fabricated device with buzzer and button functions. The device is based on FIP1001, which is mounted in the mounting box FLK1010. Equipped with a 6-pole connection wire. The length of the wire is 2m and it has a RJ12 male connector. Technical specifications and function as FIP1001.

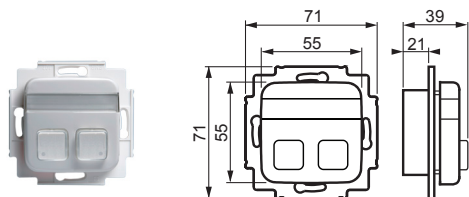
TYPE	CODE	DESCRIPTION	PACK.QTY
FIP2001	64 186 77 331 992	Table Device, 1-fold, Button / Buzzer	1/10



Tableswitch

A pre-fabricated device based on FAK1011. Mounted in the mounting box FLK1010 and equipped with a 2m 6-pole wire that has a RJ12 male connector. Works together with FOT2000.

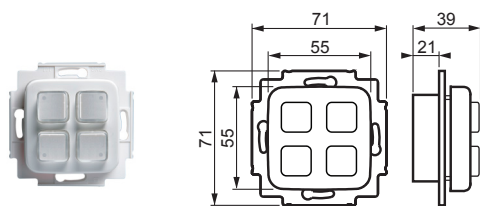
TYPE	CODE	DESCRIPTION	PACK.QTY
FIP2002	64 186 77 335 839	Tableswitch, 1-fold, Switch / Led	1/10



Push Buttons and Switches, general use

1 change over and 1 closing contact for each Push Button / Switch. Good marking possibilities. Nominal voltage of LED: 24 V ac/dc (operates 8 - 30 V ac/dc, brightness changes). Loading capacity of switch (max) 42 V ac / 60 V dc, 250 mA ac/dc, 6 VA / 4 W.

TYPE	CODE	DESCRIPTION	PACK.QTY
FAP1011	64 100 70 607 223	Push Button, 1-fold, change over/closing	1/10
FAP1012	64 100 70 607 230	Push Button, 2-fold, change over/closing	1/10
FAK1011	64 100 70 607 322	Switch, 1-fold, change over/closing	1/10
FAK1012	64 100 70 607 339	Switch, 2-fold, change over/closing	1/10

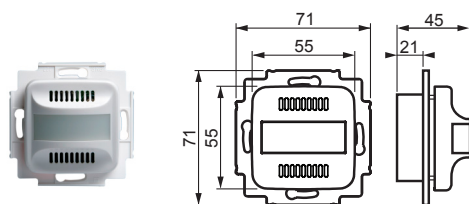


Push Buttons and Switches, lighting control

1 change over contact per Push Button / Switch. Good marking possibilities. Nominal voltage of LED 24 V ac/dc (operates 8 - 30 V ac/dc, brightness changes). Loading (max.) 42 V ac / 60 V dc, 250 mA ac/dc, 6 VA / 4 W.

TYPE	CODE	DESCRIPTION	PACK.QTY
FAP1001	64 100 70 055 116	Push Button, 1-fold, change over contact	1/10
FAP1002	64 100 70 055 123	Push Button, 2-fold, change over contact	1/10
FAP1004	64 100 70 055 147	Push Button, 4-fold, change over contact	1/10
FAK1004	64 100 70 055 246	Switch, 4-fold, change over contact	1/10

Signalling Devices



Signal Lights

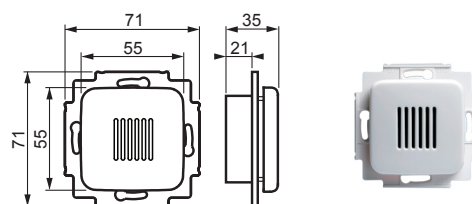
Device with LED signal light. Opal lense. Operating voltage of LED's: 9,5 - 28 V ac / 9,5 - 35 V dc. Current consumption: 60 mA ac / 30 mA dc.

TYPE	CODE	DESCRIPTION	PACK.QTY
FIM1000	64 100 70 607 513	Signal Light, red	1/10
FIM1010	64 100 70 607 605	Signal Light, yellow	1/10
FIM1020	64 186 77 330 131	Signal Light, green	1/10
FIM1030	64 186 77 332 005	Signal Light, white	1/10

Buzzer

Two audio frequencies available. Volume adjustment possible. Operating voltage: 9,5 - 28 V ac / 9,5 - 35 V dc. Current consumption: 20 mA ac / 10 mA dc. Sound intensity / frequency: 70 dB / 250 Hz or 70 dB / 750 Hz (intensity measured at 30 cm distance).

TYPE	CODE	DESCRIPTION	PACK.QTY
FIM1100	64 100 70 607 612	Buzzer	1/10

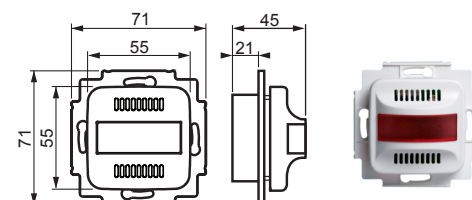


Signalling Devices

Alarm Unit

Alarm Unit with flashing light and interrupting sound. Operating voltage: 9,5 - 28 V ac / 9,5 - 35 V dc. current consumption: 60 mA ac / 30 mA dc. Sound intensity / frequency: 78 dB / 2,3 kHz (intensity measured at 30 cm distance). Sound disconnectable.

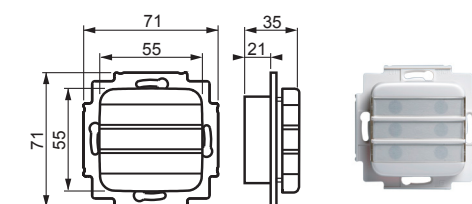
TYPE	CODE	DESCRIPTION	PACK.QTY
FIM1210	64 100 70 607 636	Alarm Unit, yellow	1/10
FIM1200	64 100 70 607 520	Alarm Unit, red	1/10



Signal Panel

Could be used as an 3/6 points alarm receiving panel in calling and alarm systems. With 6 LED's. Good marking possibilities. Operating voltage: 12 - 24 V ac/dc. Current consumption/LED: 4 mA ac / 7 mA dc.

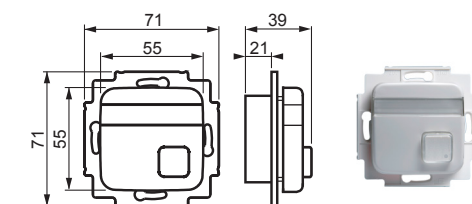
TYPE	CODE	DESCRIPTION	PACK.QTY
FIM1300	64 100 70 607 537	Signal Panel	1/10



Button / Buzzer

A device including a push button as well as a buzzer. The LED of the push button and the buzzer operates in parallel. The buzzer can be cancelled with the push button. In alarm position the LED flickers. When cancelled it lits constantly till the alarm goes off. Good marking possibilities on the push button and the name plate. Operating voltage 9,5 - 28 Vac / 9,5 - 35 Vdc. Current consumption: 45 mA ac / 35 mA dc. Load capacity of the switch: 42 Vac / 60 Vdc, 250 mA ac/dc, 6 VA / 4 W

TYPE	CODE	DESCRIPTION	PACK.QTY
FIP1001	64 186 77 310 423	1-fold	1/10



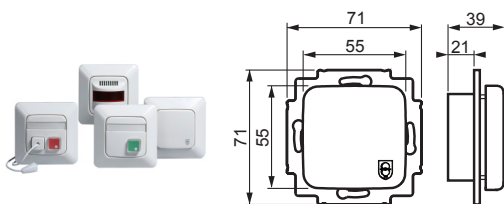
Disabled WC

Jussi Disabled WC, SET

Jussi Disabled WC SET contains the following signalling products: 1 pc Transformer FLM1000, 1 pc 1-loop Alarm Unit FEH2001, 1 pc Signal Push Button with Draw Cord FAP3002 (calling) and 1 pc Signal Push Button FAP2001 (cancelling).

TYPE	CODE	DESCRIPTION	PACK.QTY
FJW1004	64 186 77 332 012	Jussi Disabled WC, SET	1/10





Disabled WC products

A disabled WC calling system contains appropriate push buttons for calling and cancelling and an alarm device outside the WC. ABB transformer FLM1000 is installed in a normal mounting box, and is a perfect device for the power supply.

TYPE	CODE	DESCRIPTION	PACK.QTY
FLM1000	64 100 70 607 650	Transformer	1/10
FEH1001	64 100 70 607 117	Control Unit, 1-loop	1/10
FAP2001	64 100 70 607 216	Signal Push Button, 1-fold	1/10
FAP3002	64 100 70 607 261	Signal Push Button with Cord	1/10
FIM1200	64 100 70 607 520	Alarm Unit, red	1/10

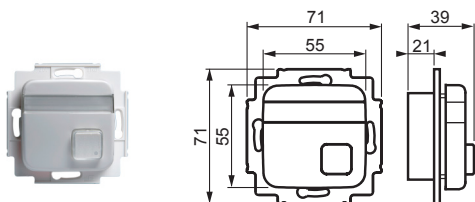
Leak Guard



Leak Guard, SET

The SET contains the Leak Guard FEH2100, Alarm Unit FIM1200, Transformer FLM1000, Tape Sensor FLA2100.02, Cover Frame 2513 and an installation manual.

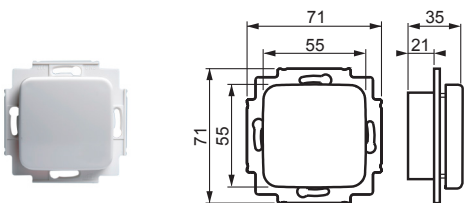
TYPE	CODE	DESCRIPTION	PACK.QTY
FJW2100	64 100 70 607 162	Leak Guard SET	1/10



Leak Guard

The Leak Guard unit operates as the standard Control Unit FEH1001, with the exception that the loop monitors leakage current (10 μ A). Tape sensors, conduit pairs or other leakage sensors could be connected to the device. Memory/no memory function. Potential free output. Cancelling button with LED. Operating voltage: 9,5 - 28 V ac / 9,5 - 35 V dc. Current consumption: 75 mA ac / 40 mA dc. Good marking possibilities on the button and name plate.

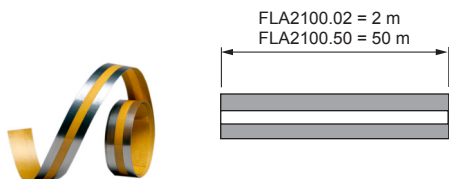
TYPE	CODE	DESCRIPTION	PACK.QTY
FEH2100	64 100 70 607 131	Leak Guard	1/10



Mains Relay

Used to control lighting, heating, alarm lights, magnetic valves etc. Controlled by low voltage potential free contact (e.g. switches, push buttons, potential free contacts or alarm panels). the relay provides protection between low- and high voltage circuits. Separate transformer not needed. Loading capacity: 10 A / 230 V ac. Fluorescent light load max 300 VA.

TYPE	CODE	DESCRIPTION	PACK.QTY
FIR1000	64 100 70 607 803	Mains Relay	1/10



Tape Sensors

Self adhesive Leak Guard sensor. Wires connected to sensor by soldering.

TYPE	CODE	DESCRIPTION	PACK.QTY
FLA2100.02	64 100 70 607 858	Tape Sensor, lenght 2 m	1/10
FLA2100.50	64 100 70 607 872	Tape sensor, lenght 50 m	1/4

Office Signal

Door Panel

The Door Panel can be installed either surface or flush-mounted on top of a 1- or 2-gang mounting box. Compatible with Table Panel FIP2000. Operating voltage: 15 - 28 V ac. Current consumption: 75 mA (max).

TYPE	CODE	DESCRIPTION	PACK.QTY
FIO2000	64 100 70 606 127	Door Panel for office signal system	1/10

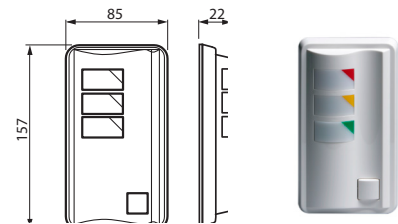


Table Panel

The Table Panel can be used for controlling the signal lights of Door Panel FIO2000. It also includes a freely adaptable Push Button and Switch, which can be integrated into an existing emergency or assistant call system using the Adapter Relay FIR2000. 2 metres connecting wire. Operating voltage: 15 - 28 V ac. Current consumption 65 mA (max).

TYPE	CODE	DESCRIPTION	PACK.QTY
FIP2000	64 100 70 606 103	Table Panel for office signal system	1/10

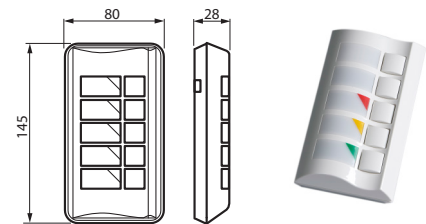
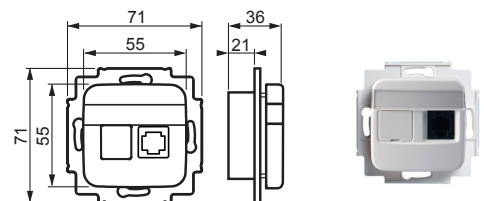


Table Panel Terminal

Table Panel is connected to a RJ12 terminal. The yellow light could be controlled automatically. FOR2000 could be used in both analog and digital telephone systems. FOT2000 is used in digital telephone systems or when the automatic control of the yellow light is not used.

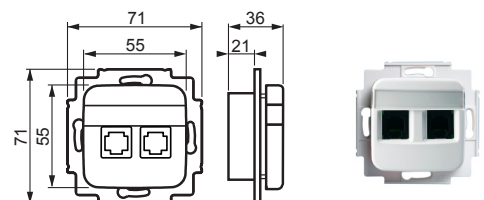
TYPE	CODE	DESCRIPTION	PACK.QTY
FOT2000	64 100 70 606 134	Table Panel Terminal, digital telephones	1/10
FOR2000	64 100 70 606 189	Terminal, analog telephones	1/10



Service Terminal

To be used when the telephone network is done with universal cabling and when fixed connections is to be avoided. Needed for controlling automatically the yellow light of the Door Panel.

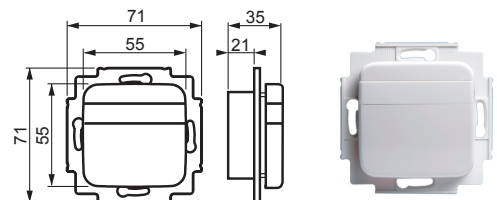
TYPE	CODE	DESCRIPTION	PACK.QTY
FOT2002	64 100 70 606 141	Service Terminal for universal cabling	1/10



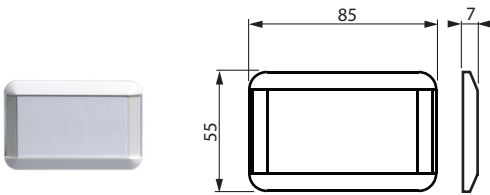
Adapter Relay

The Adapter Relay is used to integrate the Office Signal System with calling- or alarm systems. Operating voltage 15 - 28 V ac.

TYPE	CODE	DESCRIPTION	PACK.QTY
FIR2000	64 100 70 606 158	Adapter Relay, with opening and closing contact	1/10



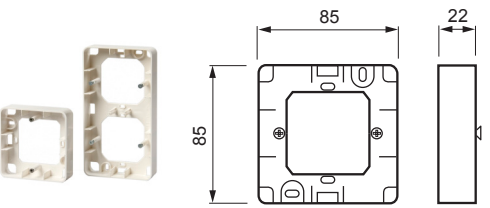
Jussi -accessories



Name Plate

A general use Name Plate for different markings. Also for use in connection with the Door Panel in the Office Signal System. The Name Plate can be attached with screws, nails, cable ties, or with the two-sided adhesive tape delivered with the plate. Dimensions: 85 x 55 mm, text area: 68 x 38 mm.

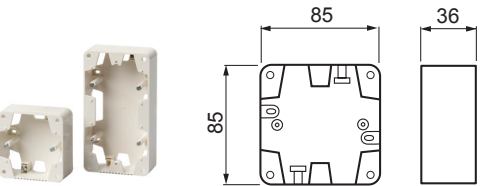
TYPE	CODE	DESCRIPTION	PACK.QTY
FLT1000	64 100 70 606 301	Name Plate	5/50



Surface mounting frames

Height 22mm.

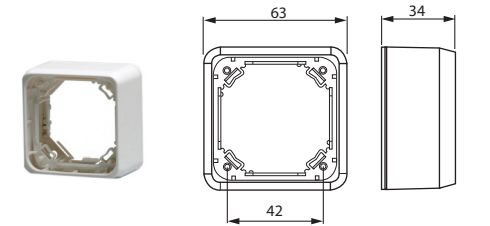
TYPE	CODE	DESCRIPTION	PACK.QTY
2511R-212	64 100 25 161 749	Surface mounting box, Jussi, 1-gang for 1 gang devices, h=22 10/100	
2552R-212	64 100 25 161 725	Surface mounting box, Jussi,, 2-gang for 1 gang devices, h=22 10/100	



Surface mounting boxes

Height 37mm.

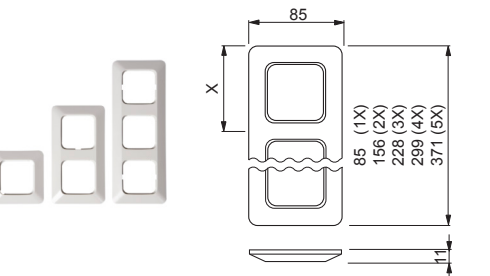
TYPE	CODE	DESCRIPTION	PACK.QTY
2551-510-212	64 100 24 065 710	Surface mounting box, Jussi 1-gang, h=36	10/100
2552-510-212	64 100 24 065 727	Surface mounting box, Jussi, 2-gang, h=36	5/50



Mounting frame for signalling products

Dimensions: 63 x 63 x 34 mm.

TYPE	CODE	DESCRIPTION	PACK.QTY
FLK1010	64 100 70 055 017	Surface mounting box, Jussi, for Signal products	10/100



Cover Frames

Jussi, 85mm

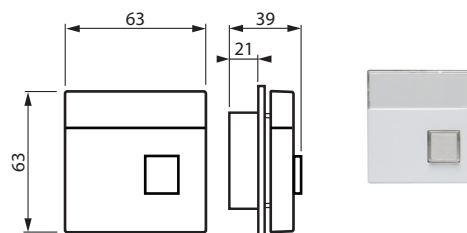
TYPE	CODE	DESCRIPTION	PACK.QTY
2511	64 100 21 661 113	Cover frame, Jussi, 85mm, 1-gang	20/200
2512	64 100 21 661 120	Cover frame, Jussi, 85mm, 2-gang	10/100
2513	64 100 21 661 137	Cover frame, Jussi, 85mm, 3-gang	10/100
2514	64 100 21 661 144	Cover frame, Jussi, 85mm, 4-gang	10/50
2515	64 100 21 661 151	Cover frame, Jussi, 85mm, 5-gang	10/50

Impressivo centerparts

Centerparts, 1-fold devices

Impressivo centerparts for Jussi signalling products: FEH1001, FEH1101, FEH2100, FAP2001, FAP1011, FAK1011, FAP1001, FIP1001. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities on button and name plate.

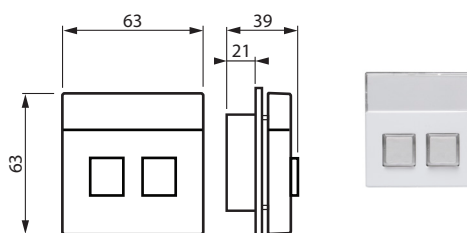
TYPE	CODE	DESCRIPTION	PACK.QTY
1P-84	64 186 77 330 056	Centre plate, 1-fold, Impressivo, white	1/10
1P-81	64 186 77 330 681	Centre plate, 1-fold, Impressivo, anthracite	1/10
1P-83	64 186 77 330 698	Centre plate, 1-fold, Impressivo, aluminium	1/10



Centerparts, 2-fold devices

Impressivo centerparts for Jussi signalling products: FEH1002, FAP3002, FAP1012, FAK1012, FAP1002. Includes the needed parts to modify the Jussi signalling product to Impressivo design (FAP3002 adapter as well). Marking possibilities on button and name plate.

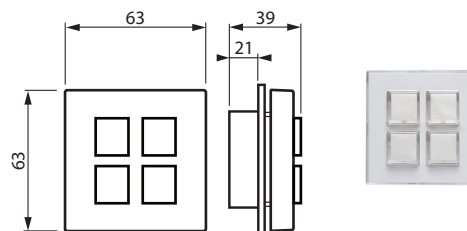
TYPE	CODE	DESCRIPTION	PACK.QTY
2P-84	64 186 77 330 063	Centre plate, 2-fold, Impressivo, white	1/10
2P-81	64 186 77 330 711	Centre plate, 2-fold, Impressivo, anthracite	1/10
2P-83	64 186 77 330 728	Centre plate, 2-fold, Impressivo, aluminium	1/10



Centerparts, 4-fold devices

Impressivo centerparts for Jussi signalling products: FAP1004, FAK1004. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities on buttons and under the big cover lense (aluminium only on the buttons).

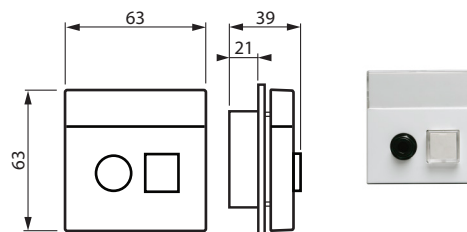
TYPE	CODE	DESCRIPTION	PACK.QTY
4P-84	64 186 77 330 070	Centre plate, 4-fold, Impressivo, white	1/10
4P-81	64 186 77 330 742	Centre plate, 4-fold, Impressivo, anthracite	1/10
4P-83	64 186 77 330 759	Centre plate, 4-fold, Impressivo, aluminium	1/10



Centerparts, FAP3011

Impressivo centerparts for Jussi signalling products: FAP3011. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities on button and name plate.

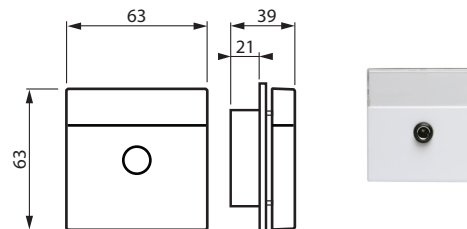
TYPE	CODE	DESCRIPTION	PACK.QTY
PT-84	64 186 77 330 087	Centre plate, Push button/telecom socket outlet, white	1/10
PT-81	64 186 77 330 773	Centre plate, Push button/telecom socket outlet, anthracite	1/10
PT-83	64 186 77 330 780	Centre plate, Push button/telecom socket outlet, aluminium	1/10



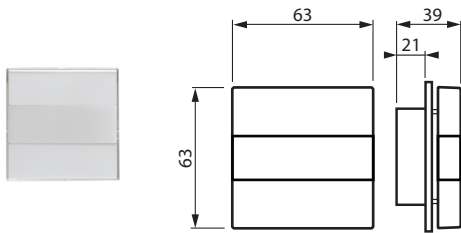
Centerparts, FOT3103

Impressivo centerparts for Jussi signalling products: FOT3103. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities on the name plate.

TYPE	CODE	DESCRIPTION	PACK.QTY
T-84	64 186 77 330 094	Centre plate, Telecom socket outlet, Impressivo, white	1/10
T-81	64 186 77 330 803	Centre plate, Telecom socket outlet, Impressivo, anthracite	1/10
T-83	64 186 77 330 810	Centre plate, Telecom socket outlet, Impressivo, aluminium	1/10



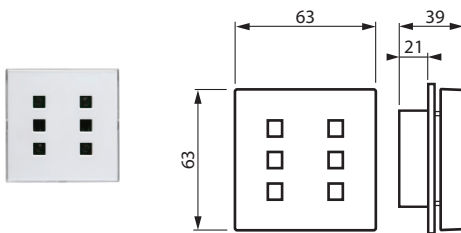
Impressivo centerparts



Centerparts, signal light devices

Impressivo centerparts for Jussi signalling products: FEH2001, FIM1000, FIM1010, FIM1020, FIM1200. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Red and opal lense included. Marking possibilities under big lense cover.

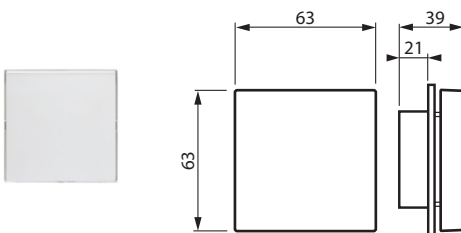
TYPE	CODE	DESCRIPTION	PACK.QTY
V-84	64 186 77 330 100	Centre plate, Signal light, Impressivo, white	1/10
V-81	64 186 77 330 834	Centre plate, Signal light, Impressivo, anthracite	1/10
V-83	64 186 77 330 841	Centre plate, Signal light, Impressivo, aluminium	1/10



Centerparts, FIM1300

Impressivo centerparts for Jussi signalling products: FIM1300. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities under big lense cover.

TYPE	CODE	DESCRIPTION	PACK.QTY
6V-84	64 186 77 330 117	Centre plate, signal panel, Impressivo, white	1/10
6V-81	64 186 77 330 865	Centre plate, signal panel, Impressivo, anthracite	1/10
6V-83	64 186 77 330 872	Centre plate, signal panel, Impressivo, aluminium	1/10

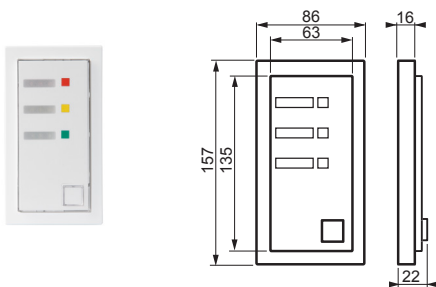


Centerparts, Devices with blind centerplate

Impressivo centerparts for Jussi signalling products: FIM1100, FIR1000, FIR2000, FLM1000. Includes the needed parts to modify the Jussi signalling product to Impressivo design. Marking possibilities under big lense cover.

TYPE	CODE	DESCRIPTION	PACK.QTY
U-84	64 186 77 330 124	Centre plate, blind, Impressivo, white	1/10
U-81	64 186 77 330 896	Centre plate, blind, Impressivo, anthracite	1/10
U-83	64 186 77 330 902	Centre plate, blind, Impressivo, aluminium	1/10

Impressivo Office Signal



Door Panel

The Door Panel can be installed either surface or flush-mounted on top of a 1- or 2-gang mounting box. Compatible with Table Panel FIP2000. Operating voltage: 15 - 28 V ac. Current consumption: 75 mA (max).

TYPE	CODE	DESCRIPTION	PACK.QTY
FIO2000-81	64 186 77 334 412	Door Panel for office signal system	1/10
FIO2000-83	64 186 77 334 429	Door Panel for office signal system	1/10
FIO2000-84	64 186 77 334 436	Door Panel for office signal system	1/10

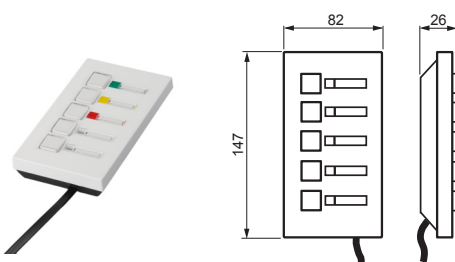


Table Panel

The Table Panel can be used for controlling the signal lights of Door Panel FIO2000. It also includes a freely adaptable Push Button and Switch, which can be integrated into an existing emergency or assistant call system using the Adapter Relay FIR2000. 2 metres connecting wire. Operating voltage: 15 - 28 V ac. Current consumption 65 mA (max).

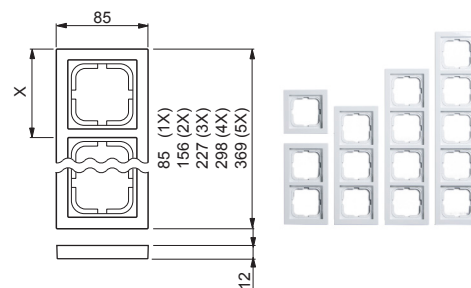
TYPE	CODE	DESCRIPTION	PACK.QTY
FIP2000-81	64 186 77 334 450	Table Panel for office signal system	1/10
FIP2000-83	64 186 77 334 467	Table Panel for office signal system	1/10
FIP2000-84	64 186 77 334 474	Table Panel for office signal system	1/10

Impressivo -accessories

Cover Frames

Impressivo, 85mm

TYPE	CODE	DESCRIPTION	PACK.QTY
White			
1721F85-84	64 186 77 327 773	Cover frame, Impressivo, 85mm, 1-gang, white	1/10
1722F85-84	64 186 77 327 810	Cover frame, Impressivo, 85mm, 2-gang, white	1/5
1723F85-84	64 186 77 327 858	Cover frame, Impressivo, 85mm, 3-gang, white	1/5
1724F85-84	64 186 77 327 896	Cover frame, Impressivo, 85mm, 4-gang, white	1/5
1725F85-84	64 186 77 327 933	Cover frame, Impressivo, 85mm, 5-gang, white	1/5
Anthracite			
1721F85-81	64 186 77 327 797	Cover frame, Impressivo, 85mm, 1-gang, anthracite	1/10
1722F85-81	64 186 77 327 834	Cover frame, Impressivo, 85mm, 2-gang, anthracite	1/5
1723F85-81	64 186 77 327 872	Cover frame, Impressivo, 85mm, 3-gang, anthracite	1/5
1724F85-81	64 186 77 327 919	Cover frame, Impressivo, 85mm, 4-gang, anthracite	1/5
1725F85-81	64 186 77 327 957	Cover frame, Impressivo, 85mm, 5-gang, anthracite	1/5
Aluminium			
1721F85-83	64 186 77 327 803	Cover frame, Impressivo, 85mm, 1-gang, aluminium	1/10
1722F85-83	64 186 77 327 841	Cover frame, Impressivo, 85mm, 2-gang, aluminium	1/5
1723F85-83	64 186 77 327 889	Cover frame, Impressivo, 85mm, 3-gang, aluminium	1/5
1724F85-83	64 186 77 327 926	Cover frame, Impressivo, 85mm, 4-gang, aluminium	1/5
1725F85-83	64 186 77 327 964	Cover frame, Impressivo, 85mm, 5-gang, aluminium	1/5



Surface mounting box, 26 mm

Surface mounting box for flush mounted products, height 26mm. Use with surface mounting cover frames 172xS85-xx and 172xS100-xx.

TYPE	CODE	DESCRIPTION	PACK.QTY
2456.26	64 186 77 331 299	Surface mounting box for flush mounted products, h=26mm10/100	



Surface mounting cover frames 85mm

Surface mounting cover frames for 1-gang centre plated accessories, such as switches. Suitable for both horizontal and vertical installation. Use with surface mounting box 2456.26.

TYPE	CODE	DESCRIPTION	PACK.QTY
1721S85-84	64 186 77 330 971	Surface mounting frame, Impressivo, 85mm, h=40mm, 1-gang, white	1/50
1722S85-84	64 186 77 331 015	Surface mounting frame, Impressivo, 85mm, h=40mm, 2-gang, white	1/25
1723S85-84	64 186 77 331 053	Surface mounting frame, Impressivo, 85mm, h=40mm, 3-gang, white	1/25
1724S85-84	64 186 77 331 091	Surface mounting frame, Impressivo, 85mm, h=40mm, 4-gang, white	1/25
1721S85-81	64 186 77 330 995	Surface mounting frame, Impressivo, 85mm, h=40mm, 1-gang, anthracite	1/50
1722S85-81	64 186 77 331 039	Surface mounting frame, Impressivo, 85mm, h=40mm, 2-gang, anthracite	1/25
1723S85-81	64 186 77 331 077	Surface mounting frame, Impressivo, 85mm, h=40mm, 3-gang, anthracite	1/25
1724S85-81	64 186 77 331 114	Surface mounting frame, Impressivo, 85mm, h=40mm, 4-gang, anthracite	1/25
1721S85-83	64 186 77 331 008	Surface mounting frame, Impressivo, 85mm, h=40mm, 1-gang, aluminium	1/50
1722S85-83	64 186 77 331 046	Surface mounting frame, Impressivo, 85mm, h=40mm, 2-gang, aluminium	1/25
1723S85-83	64 186 77 331 084	Surface mounting frame, Impressivo, 85mm, h=40mm, 3-gang, aluminium	1/25
1724S85-83	64 186 77 331 121	Surface mounting frame, Impressivo, 85mm, h=40mm, 4-gang, aluminium	1/25



Notes



A series of horizontal dotted lines for taking notes.

Contact

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