

SFERA NEW - SFERA ROBUR
Keypad module

353000

Description

Door lock release keypad module. It is fitted with relay with contacts (C – NC – NO) and clamps (CP- P1 – P2) for the connection of a local door lock release pushbutton. The numerical code for the opening of the door lock can be programmed using the keypad itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDs for the visual notification of the access status. Night backlighting with LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation. Configuration performed using physical configurators, or a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com. Only for the French market: the device can be integrated in Vigik access control systems. In this case it is possible to program and manage the door lock release codes using devices for the management of the access control system:

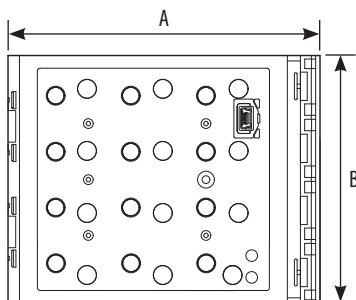
Related items

- 353001 Sfera New keypad front cover - Allmetal (IK 08)
- 353002 Sfera New keypad front cover - Allwhite (IK 08)
- 353003 Sfera New keypad front cover - Allstreet (IK 08)
- 353005 Sfera Robur keypad front cover - (IK 09)
- 353011 Sfera New Allmetal (IK08) alphanumeric keypad front cover

Technical data

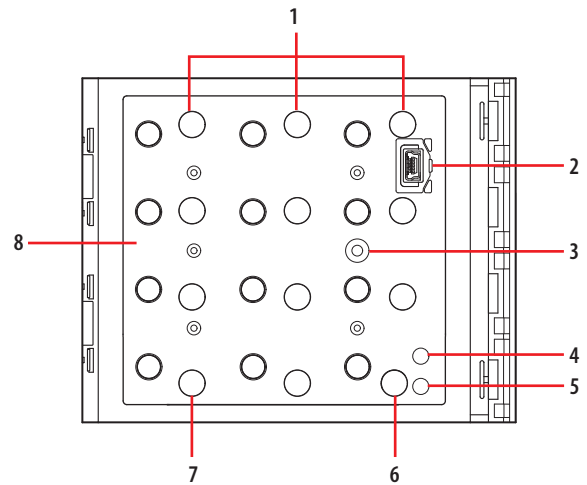
Power supply from SCS BUS: 18 - 27 Vdc
 Stand by absorption (with backlighting LEDs off): 10 mA
 Stand by absorption (with backlighting LEDs on): 25 mA
 Max. operating absorption: 45 mA
 Operating temperature: (-25) – (+70) °C
 Protection index (pushbutton panel assembled): IP 54

Dimensional data

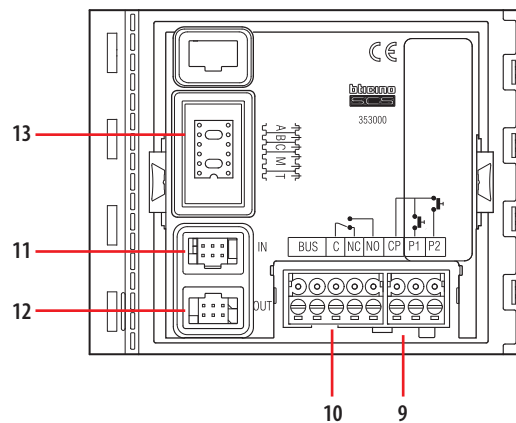


A	B
115 mm	91 mm

Front view



Rear view



Legend

1. LEDs for night backlighting
2. Mini-USB connector for the connection to the PC: download/upload the configuration and device firmware update
3. RESET pushbutton
4. Red LED for access status notification Red LED ON = access denied
5. Green LED for access status notification Green LED ON = access granted
6. Cancel pushbutton (C)
7. Pushbutton for the selection of the door lock release code
8. Numeric keypad used for entering the codes
9. Plug-in clamps (CP – P1 P2) for connection of the additional local pushbutton
10. Plug-in clamps (C – NC – NO) for local relay contacts and connection to the 2 WIRE SCS BUS
11. Connector for the connection to subsequent modules
12. Connector for the connection to previous modules
13. Configurator socket

Configuration

The configuration of the device is different depending on the type of installation:

- Device installation inside a SFERA NEW pushbutton panel in 2 WIRE SCS systems
- Device installation inside a SFERA NEW pushbutton panel in HEXACT® access control systems (French market only)
- Installation as STAND ALONE device
- Installation as STAND ALONE device in HEXACT® access control systems (French market only)

In every case, the configuration can be performed in two ways:

- Mode 1 - with physical configurator connection
- Mode 2 - with PC and software

Mode 1

Mod 1 requires the physical connection of the configurators to their sockets

PHYSICAL CONFIGURATION FOR INSTALLATION WITH A SFERA NEW EP:

A + B + C - NOT USED

M - operating mode

M = 0 NOT CONFIGURED The device only manages the opening of the door lock connected to the speaker module or audio/video module used (the time delay is set by the T configurator connected to the speaker module).

M = 3 the device manages both the door lock connected to the speaker module or audio/video module used (the time delay is set by the T configurator connected to the speaker module) and a 2nd door lock connected to the local relay contact (the time delay of the local relay is 4" and cannot be modified).

T - Local relay time delay – NOT USED

PHYSICAL CONFIGURATION FOR INSTALLATION WITH A SFERA NEW EP AND DIRECT CALL:

A = NOT USED

B+C = Address of the riser where the device is installed (B=tens C=units)

M - operating mode

M=20 The devices manages the direct call to the internal units and the opening of the door lock connected to the speaker module or audio/video module used (the time delay is set by the T configurator connected to the speaker module)

M=23 The device manages the direct call to the internal units, the opening of the door lock connected to the speaker module or audio/video module used (the time delay is set by the T configurator connected to the speaker module) and a 2nd door lock connected to the local relay contact (the time delay of the local relay is 4" and cannot be modified)

PHYSICAL CONFIGURATION FOR INSTALLATION WITH SFERA NEW EP INTEGRATED WITH ACCESS CONTROL

A + B + C - NOT USED

M – Operating mode

M = 2 – Device in access control mode

T – Temporizzazione relè locale - NON UTILIZZATO

(the relay time delay is set by the access control central unit).

PHYSICAL CONFIGURATION FOR INSTALLATION WITH SFERA NEW EP INTEGRATED WITH ACCESS CONTROL AND DIRECT CALL:

A+ B +C = NOT USED

M=2 Device in access control mode

M=22 Device in access control mode with "direct call to the internal units" function

T= local relay time control – NOT USED

(the relay time delay is set by the access control central unit)

N.B. it is not possible to use the keypad in M=22 mode on the risers.

PHYSICAL CONFIGURATION IN STAND ALONE INSTALLATION:

A + B + C - Progressive address of the device

The configurators connected to the A B C sockets assign a progressive address to the device inside the system (range 000 – 999).

Example : A+B+C = 003 - device 003 of the system.

M - Operating mode - Not used

T – Local relay time delay

The configurator connected to T sets the relay closing time delay as shown in the following table:

Configurator	0 = no configurator	1	2	3	4	5	6	7
Contact closing time	4"	1"	10"	20"	40"	1'	1,5'	3'

PHYSICAL CONFIGURATION FOR STAND ALONE INSTALLATION WITH ACCESS CONTROL:

A+B = Address of the access control 348500 interface

C = NOT USED

Configure following the installation rules found in the technical documentation of the Vigik access control system.

M – Operating mode

M = 2 – Access code activator managed by the access control central unit

T – Local relay time delay - Not used

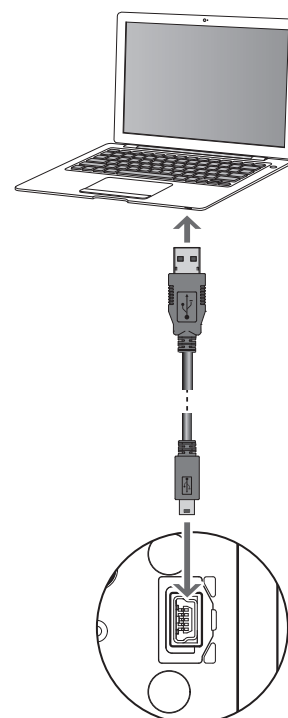
(the relay time delay is set by the access control central unit).

Mode 2

Mode 2 requires advanced configuration of the device, performed using a PC and the specific software, which can be downloaded free of charge from the site: www.homesystems-legrandgroup.com.

For the connection to the PC use a USB - mini USB cable. The software gives the possibility of configuring, programming, and updating the firmware of the module.

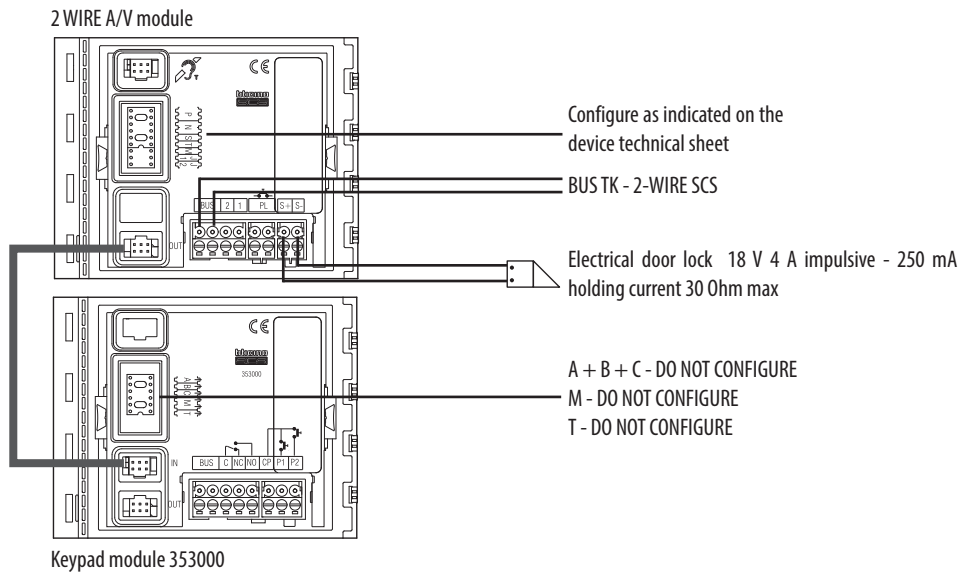
The presence of the mini USB connection of the front of the module gives the possibility of performing these operations without the need to disassemble the device.



Wiring diagrams

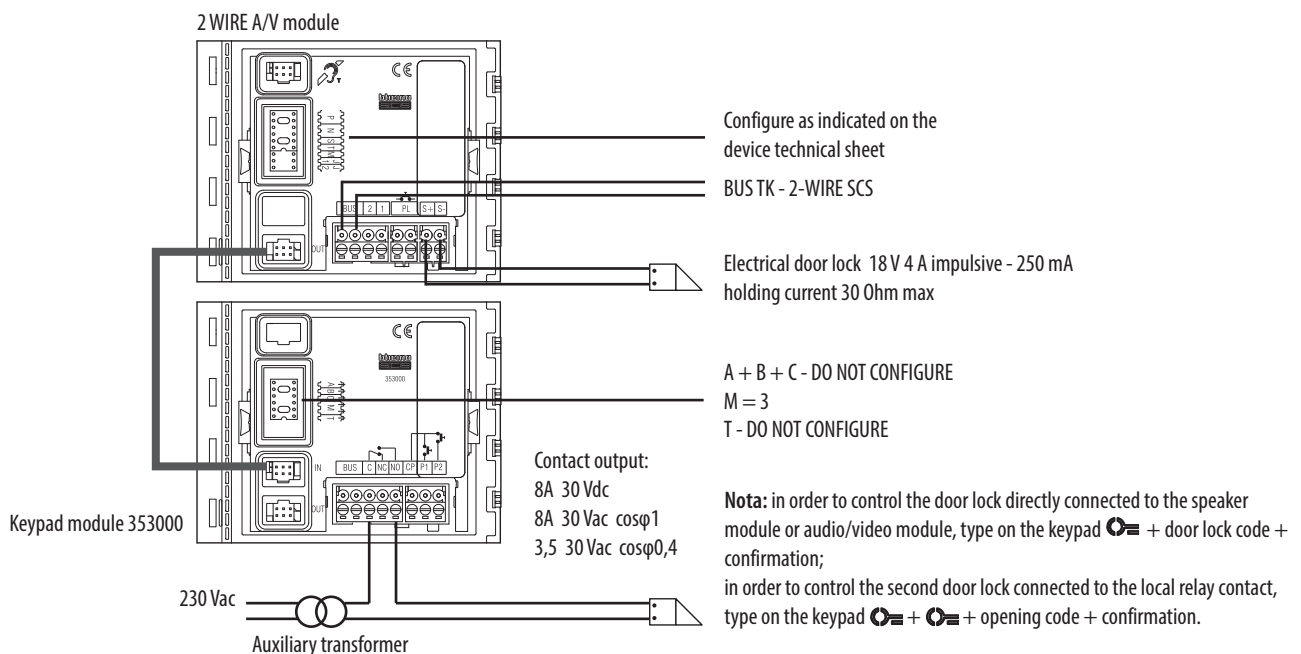
Installation with SFERA NEW EP

Example of installation of the keypad module inside a 2 WIRE SFERA NEW pushbutton panel and control of only one door lock.



NOTE : connected in this way, the keypad module only controls the opening of the door lock associated to the SFERA speaker module, but does not allow to make door entry system calls. In order to make also door entry system calls using the keypad, increase the M mode by +20 and, if necessary, enter in B+C the address of the riser (01-39) where the keypad is installed or use it with a 352500 Sfera display module.

Example of installation of the keypad module inside a 2 WIRE SFERA NEW pushbutton panel and control of 2 door locks.

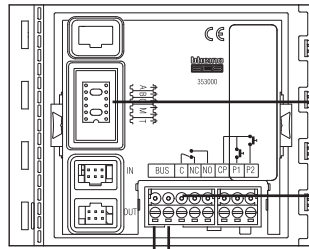


NOTE : connected in this way, the keypad module only controls the opening of the door lock associated to the SFERA speaker module and the opening of the door lock connected to the local relay contact, but does not allow to make door entry system calls. In order to make also door entry system calls using the keypad, increase the M mode by +20 and, if necessary, enter in B+C the address of the riser (01-39) where the keypad is installed or use it with a 352500 Sfera display module.

STAND ALONE installation

Example of STAND ALONE installation connection with the SCS BUS connected to the keypad module.

Keypad module 353000



A + B + C = 003
(SCS device No. 3)
M - DO NOT CONFIGURE
T = 2 (contact closed for 10")

Contact output:
8A 30 Vdc
8A 30 Vac cosφ1
3,5 30 Vac cosφ0,4

SCS BUS