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 TiSferaDesign software installed.

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)
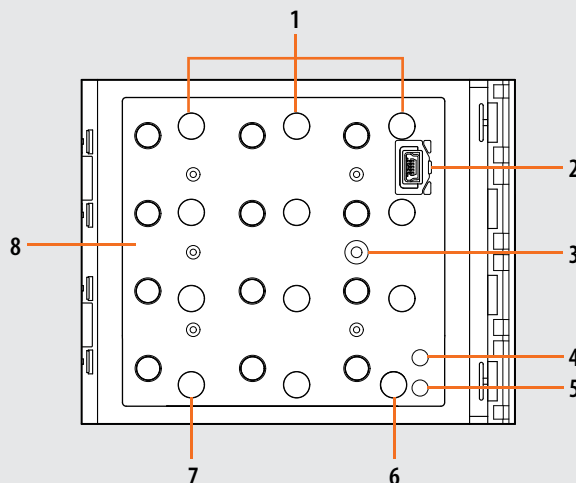
Technical data

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

Front view

Rear view

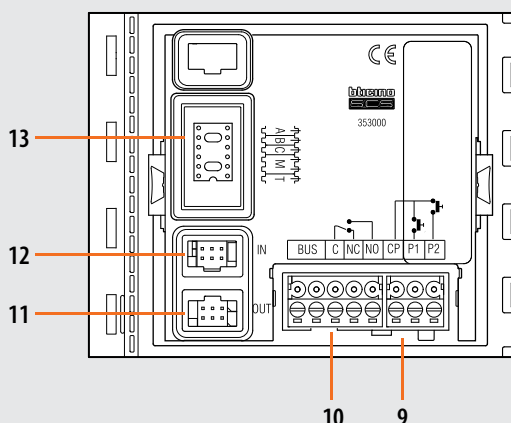## Dimensional data

115 mm

91 mm
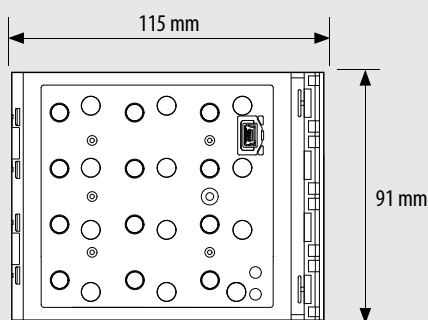
Legend

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
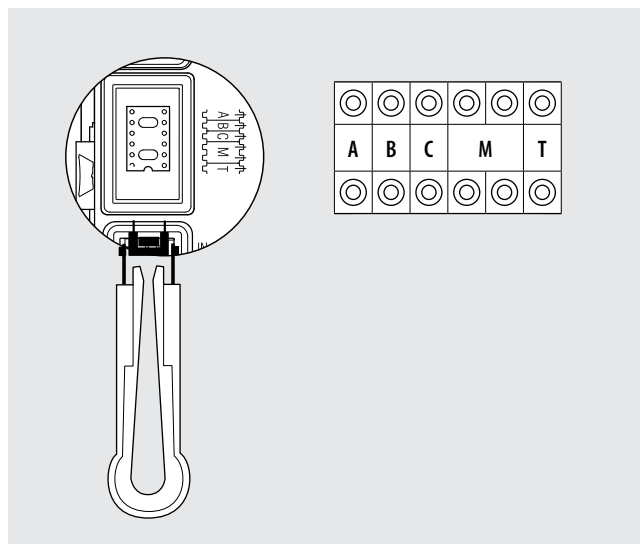13. Configurator socket

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.**
• **installation as STAND ALONE device**

In both cases, the configuration can be performed in two ways:

• **Mode 1 - with physical configurator connection**
• **Mode 2 - with PC and software TiSferaDesign**

A	B	C	M	T

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 - NOT USED

T -local relay time delay – NOT USED
(the time delay of the local relay is set by the T configurator connected to the speaker module or to the audio video module used).

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:

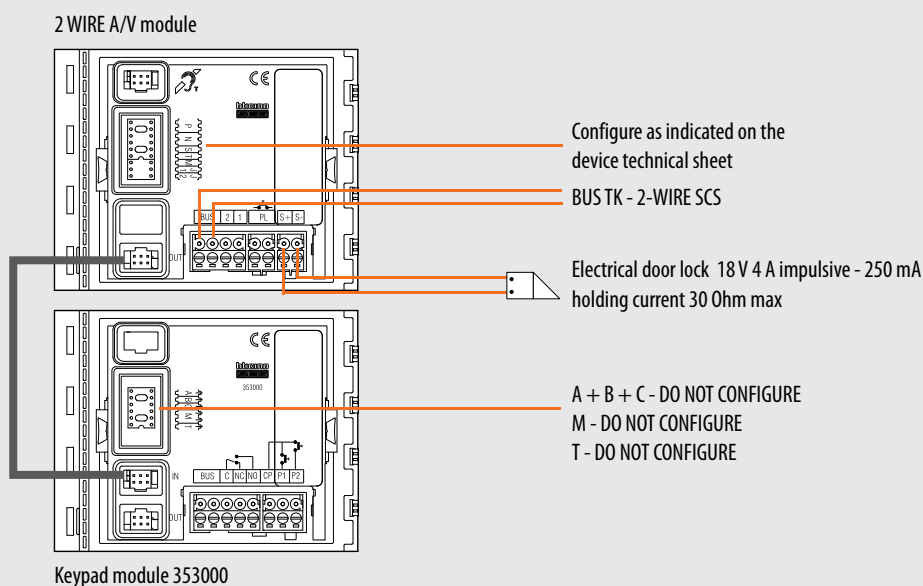| Configurator	0 = no configurator	1	2	3	4	5	6	7
Contact closing time	4″	1″	10″	20″	40″	1′	1.5′	3′

Mode 2

Mode 2 requires advanced configuration of the device, performed using a PC and the TisferaDesign software   (which can be downloaded free of charge from the www.bticino.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 speaker module. The presence of the mini USB connection of the front of the speaker module gives the possibility of performing these operations without the need to disassemble the device.
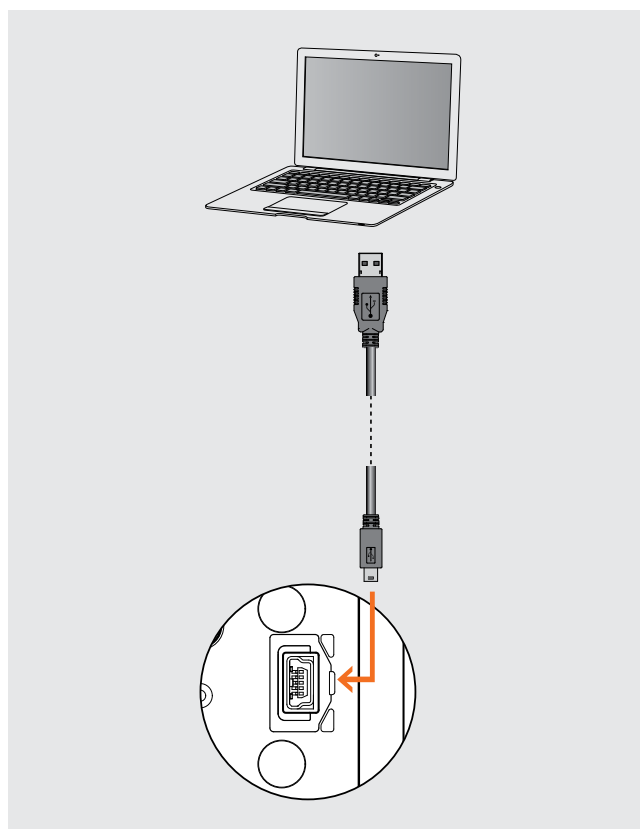
Wiring diagram- Installation with SFERA NEW EP

Example of installation of the keypad module inside a 2 WIRE SFERA NEW pushbutton panel with SCS BUS NOT CONNECTED to the keypad module

2 WIRE A/V module

Configure as indicated on the device technical sheet

BUS TK - 2-WIRE SCS

Electrical door lock 18 V 4 A impulsive - 250 mA holding current 30 Ohm max

A + B + C - DO NOT CONFIGURE
M - DO NOT CONFIGURE
T - DO NOT CONFIGURE

Keypad module 353000

Wiring diagram- 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 load:
8 A   30 Vdc
8 A   30 Vac cos@ 1
3.5 A   30 Vac cos@ 0.4

SCS BUS