

Description

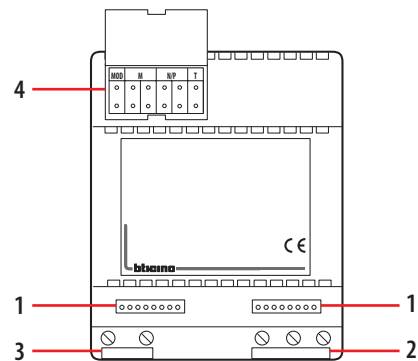
Relay actuator for digital systems. It enables the switching on of lights, the release of door locks, the control of other devices from the video handsets, and provides call repetition using bells. The device must be configured.

Technical data

Power supply from SCS BUS: 18 – 27 Vdc
 Stand by absorption: 15 mA
 Max. operating absorption: 30 mA
 Operating temperature: 5 – 40 °C
 Contact output: 230 Vac - 6 A resistive - 2 A inductive (cosφ = 0.5)
 SELV device

Dimensional data

4 DIN modules

**Legend**

- 1 - Clamps for the connection of the 2-wire BUS and power supply 1 - 2
- 2 - Clamps for the connection of the load to be controlled
- 3 - Clamps for the connection of an additional pushbutton
- 4 - Configurator socket

Configuration

The device must be physically configured in terms of:

MOD = Operating mode

The configurator in MOD establishes the operating mode of the actuator (see following tables)

M = number of the riser

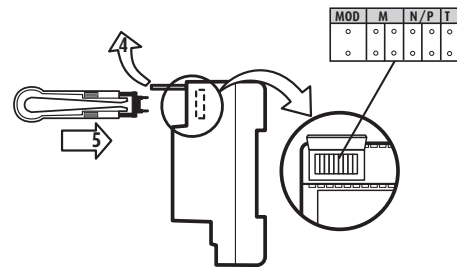
In systems with several risers, it identifies on which riser the actuation must be performed

N/P = Handset/Entrance panel number

It defines the association with the Handset or the EP address from which the actuation must be performed.

T = relay closure time delay

The configurator connected to T sets the relay closing time delay (see corresponding table).



MOD = 0 - Staircase light from any handset and EP (if equipped with the corresponding key)

- The actuator is enabled when the handset and the entrance panel staircase light keys are pressed
- Customize the time through the configurator T.

MOD	M	N/P	T
0	0	0	0
0	0	0	0

MOD = 1 - Sundry services from handset unit

- The actuator activates when the staircase light key of any handset part of a group is pressed
- Customize the time through the configurator T.
- Insert in M the ten and the units of the first handset of the group
- Insert in N/P the ten and the units of the last handset of the group

NOTE: a group is a sequence set of handsets.

MOD	M	N/P	T
1	0	0	1
1	0	0	1

Tens Unit
Unit Tens

Example

MOD	M	N/P	T
1	1	1	1
1	0	0	1

Door lock control from the light key of the handsets configured from 1 to 12
T = 1 closes the contact for 1"

MOD = 2 - Staircase lights from all riser handsets

- The actuator is enabled by pressing the staircase light key of all riser handsets
- Customize the time through the configurator T.
- Connect the M configurator of the system expansion interface 346851 (configured with MOD = 5) to M

MOD	M	N/P	T
2	0	0	0
2	0	0	0

Tens Unit

Example

MOD	M	N/P	T
2	1	9	5
2	0	0	0

Staircase light control from all handsets of the riser 19
T = 0 closes the contact for 30"

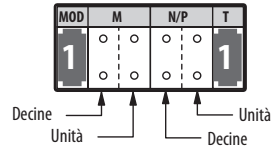
MOD = 2 - Staircase lights from all entrance panel (if fitted with the corresponding key)

- the actuator activates when the staircase light key of any (preset) entrance panel is pressed
- Customize the time through the configurator T.

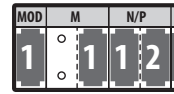
MOD	M	N/P	T
2	0	0	0
2	0	0	0

MOD = 3 - Miscellaneous services from a single handset

- The actuator is enabled by pressing the light pushbutton of only one handset.
- Customize the time through the configurator T.
- Put in N/P the ten and the units of the handset that controls the relay



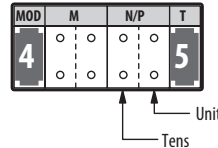
Example



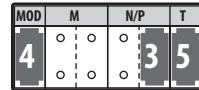
Door lock control from the light key of the handset configured with 15
T=1 closes the contact for 1 s

MOD = 4 - Staircase light of a single entrance panel (if equipped with the corresponding key)

- The actuator is enabled by pressing the light pushbutton of only one entrance panel.
- Customize the time through the configurator T.
- Put in N/P the ten and the units of the handset that controls the relay



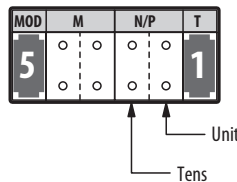
Example



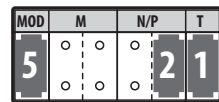
Door lock control from the light key of the handset configured with P=3
T=5 closes the contact for 1 min

MOD = 5 - Door lock control from all handsets

- Direct door lock opening with handset in pause. The actuator is enabled by pressing the door lock pushbutton of all handsets.
- Customize the time through the configurator T.
- Put in N/P the ten and the units of the associated entrance panel that controls the door lock.



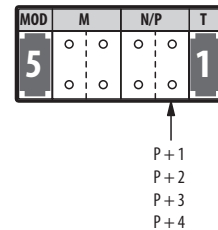
Example



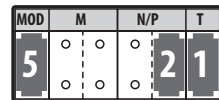
Door lock control of the entrance panel configured with P=2 from the door lock pushbutton of all the associated handsets
T=1 closes the contact for 1 s

MOD = 5 - Door lock control from additional handset keys

- Direct door lock opening with handset in pause.
 - Customize the time through the configurator T.
 - Insert in N/P the address that the actuator must take inside the system.
- The N/P value inserted in the actuator must be between P + 1 and P + 4 of the P configurator P inserted in the handset which controls the door lock.
- For further information on the handset configuration, refer to the corresponding technical sheets.



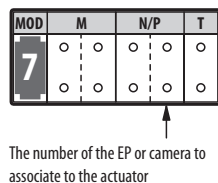
Example



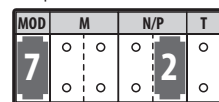
Door lock control by pressing the key 2 of the 4 keys set for PIVOT (PIVOT configured with P = 0)
T=1 closes the contact for 1 s

MOD = 7 - Light on for illumination of the viewing field

- At the same time as sending a call from the entrance panel or activating a camera (N/P configuration), the actuator also closes the contact, keeping it closed until:
- **if the call is answered**, the communication is closed, or the conversation timeout activates (< 1 min.)
 - **if the call is not answered**, after 30 seconds (call forwarding timeout).



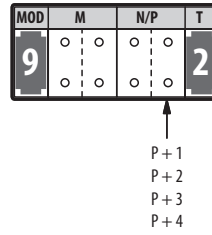
Example



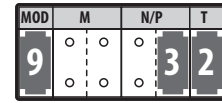
Closing of contact upon call from the EP configured with P=2.
The contact opens after the call is terminated or after 30 seconds (if there is no answer)

MOD = 9 - Miscellaneous services from additional keys

- Direct door lock opening with handset in pause.
 - Customize the time through the configurator T.
 - Insert in N/P the address that the actuator must take inside the system.
- The N/P value inserted in the actuator must be between P + 1 and P + 4 of the P configurator inserted in the handset which controls the service.
For further information on the handset configuration, refer to the corresponding technical sheets.



Example

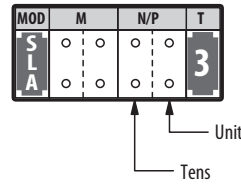


Device control by pressing the key 2 of the 4 keys set for PIVOT (PIVOT configured with P = 2)
T=2 closes the contact for 3 s

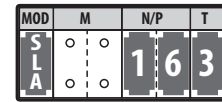
MOD = SLA - Bell call repetition for one individual handset

- Repeat the calls coming from the entrance panel on Badenia bell.
- Customize the time through the configurator T (Accepted configurators are: 1, 2, 3, 4 and 8).
- Insert in N/P the tens and units of the handset associated to the function.

* The SLA configurator must be bought separately from the configurator kit (3501K).
Item code for SLA configurator: 3501/SLA.



Example



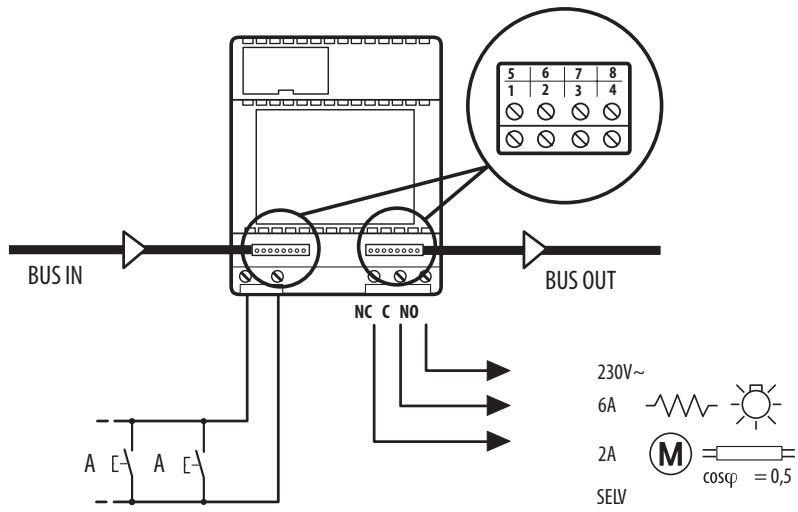
The Badenia bell rings for 6 seconds each time there is a call addressed to the handsets configured with N=16
T=3 the Badenia bell rings for 6 s and stops when the call is answered

T configuration (timing)

The T values mentioned in the examples are only an indication of the times commonly used for the different applications.
By inserting in the T socket a configurator (as mentioned in the table) the relay door locking time can be customized.

T configurator	Time
none	3 min.
1	1 sec.
2	3 sec.
3	6 sec.
4	10 sec.
5	1 min.
6	6 min.
7	10 min.
8	pushbutton
9	cyclic (ON/OFF)

Wiring diagram



2-wire standard wiring diagram

