



# Actuator

346200

## Description

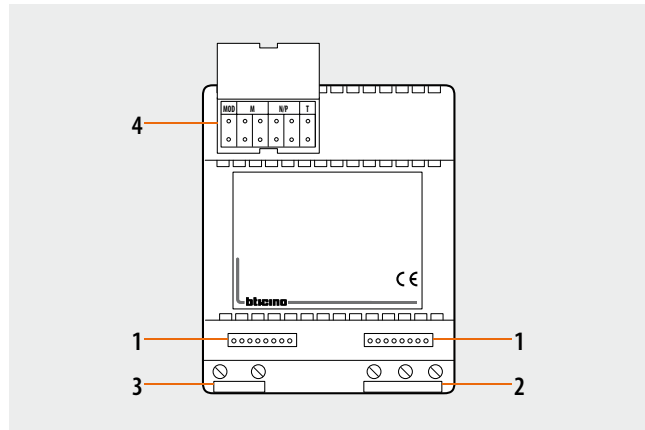
Relay actuator for digital systems. It allows to switch on lights, to open gate door locks, to control other devices and to repeat call on bell (badenia type).

## Technical data

Power supply from SCS BUS: 18 – 27 Vdc  
Stand by absorption: 15 mA  
Max. operating absorption: 300 mA  
Operating temperature: 5 – 40 °C  
Contact output: 230 Vac - 6 A resistive - 2 A inductive (cos  $\phi$  = 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**

- The actuator is enabled by pressing the light pushbutton of the handset and the light key on the entrance panel
- Customize the time through the configurator T.

**MOD = 1 - Sundry services (door lock/open the gate/staircase light) from handset unit**

- The actuator is enabled by pressing the light pushbutton of the handset belonging to a group
- 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

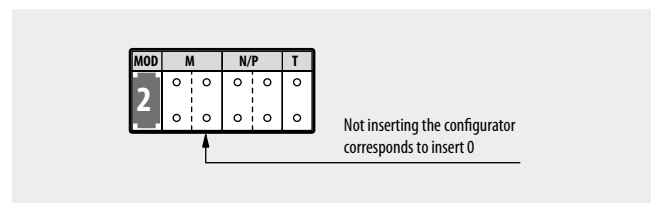
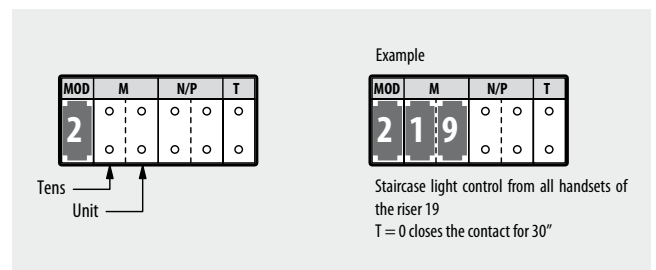
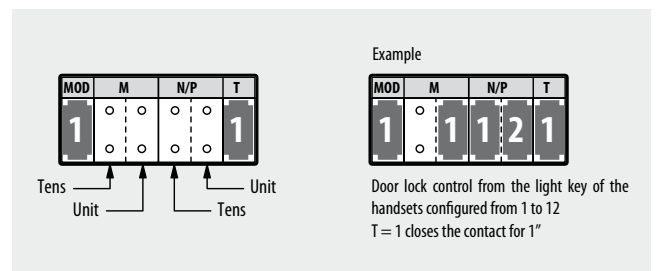
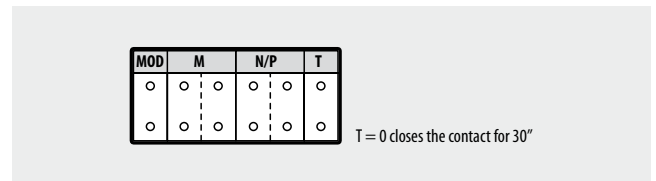
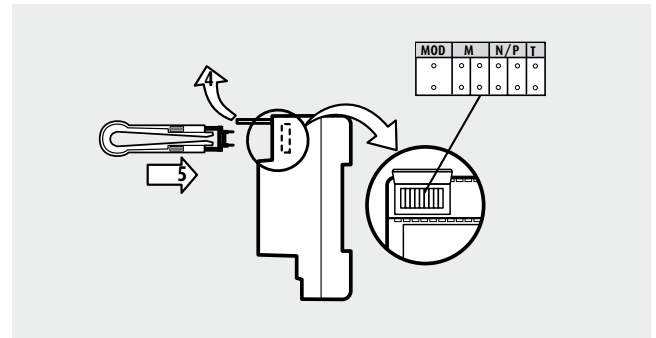
**NOTE:** a group is a sequence set of handsets.

**MOD = 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, item 346851 (configured with MOD = 5) to M

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

- With (MOD = 2) the actuator activates when the light pushbutton of any (preset) entrance Panel is pressed
- Customize the time through the configurator T.



**MOD = 3 - Sundry services from 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

The diagram shows a handset configuration grid with columns MOD, M, N/P, and T. The MOD column contains the number 3. The N/P column contains two circles, representing tens and units. The T column contains the number 1. Labels 'Unit' and 'Tens' point to the circles in the N/P column.

**Example**

MOD	M	N/P	T
3	○	○	1
○	○	○	○

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 from EP**

- With (MOD = 4) 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

The diagram shows a handset configuration grid with columns MOD, M, N/P, and T. The MOD column contains the number 4. The N/P column contains two circles. The T column contains the number 5. Labels 'Unit' and 'Tens' point to the circles in the N/P column.

**Example**

MOD	M	N/P	T
4	○	○	5
○	○	○	○

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.

The diagram shows a handset configuration grid with columns MOD, M, N/P, and T. The MOD column contains the number 5. The N/P column contains two circles. The T column contains the number 1. Labels 'Unit' and 'Tens' point to the circles in the N/P column.

**Example**

MOD	M	N/P	T
5	○	○	1
○	○	○	○

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 PIVOT/SWING/POLYX handsets 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 P inserted in the handset which controls the door lock. For further information on the configurations of the SWING/POLYX handsets and the 4 additional keys set for PIVOT make reference to the relating technical sheets.

The diagram shows a handset configuration grid with columns MOD, M, N/P, and T. The MOD column contains the number 5. The N/P column contains two circles. The T column contains the number 1. Labels 'Unit' and 'Tens' point to the circles in the N/P column. Below the grid, a vertical list of values is shown: P + 1, P + 2, P + 3, P + 4.

**Example**

MOD	M	N/P	T
5	○	○	1
○	○	○	○

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 contact opens when the communication is terminated or the conversation timeout activates (<1 min.)
  - if the call is not answered, the contact opens after 30 seconds (at the end of the call forwarding timeout).

The diagram shows a handset configuration grid with columns MOD, M, N/P, and T. The MOD column contains the number 7. The N/P column contains two circles. The T column contains the number 2. An arrow points to the N/P column with the text: 'The number of the EP or camera to associate to the actuator'.

**Example**

MOD	M	N/P	T
7	○	○	2
○	○	○	○

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 - Sundry services (door lock/open the gate/staircase light) from PIVOT/SWING/POLYX handsets 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 P inserted in the handset which controls the service.
- For further information on the configurations of the SWING/POLYX handsets and the 4 additional keys set for PIVOT make reference to the relating sections configurations.

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 - Call repetition on Badenia bell**

- Repeat the calls coming from the entrance panel on Badenia bell.
- Customize the time through the configurator T. (with configurators 0 (-), 5, 6, 7, 8, the bell rings for 30 s max)
- 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 (item 3501K). Item code for SLA configurator: item 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

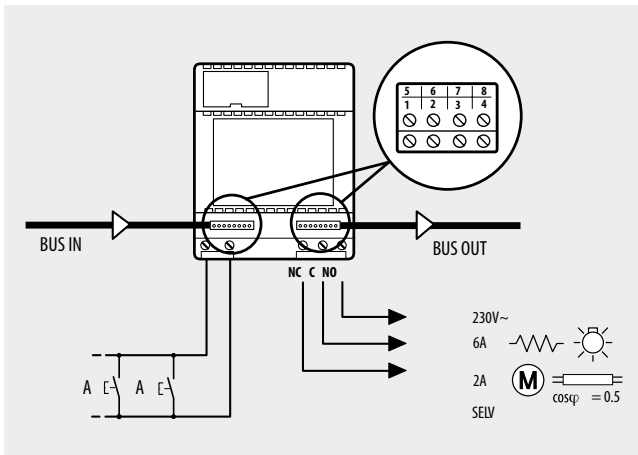
**T configuration (timing)**

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**

