

### Description

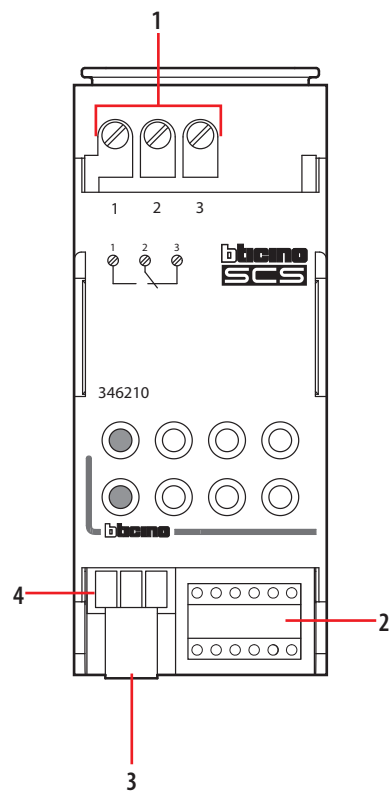
Relay actuator for 2 wire systems. It enables the switching on of lights, the release of door locks, the control of other devices from the video handsets, and provides call repetition using bells. The device **REQUIRES** configuration.

### Technical data

Power supply from SCS BUS: 18 – 27 Vdc  
 Stand by absorption: 3,5 mA  
 Max. operating absorption: 25 mA  
 Operating temperature: 5 – 40 °C  
 Contact output: 230 Vac - 6 A resistive - 2 A inductive ( $\cos\phi = 0.5$ )

### Dimensional data

2 DIN modules



### Legend

- 1 - Clamps (1-2-3) for the connection of the load to control
- 2 - Configurator socket
- 3 - Clamps (BUS) for 2 WIRE SCS BUS connection
- 4 - Clamps (1-2-3) for the connection of a local door lock release pushbutton

## Configuration

The device must be physically configured in terms of:

### MOD = Operating modes

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

### M = number of the riser

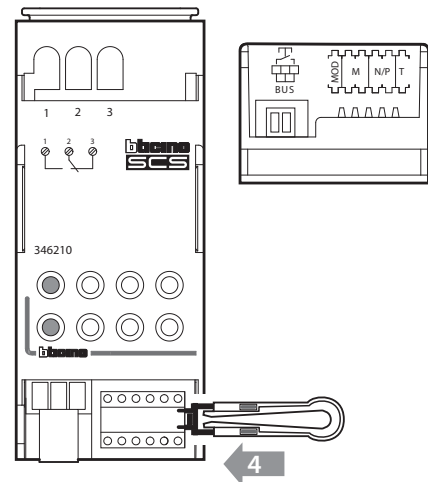
In systems with several risers, it identifies on which riser the actuation must be performed

### 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 the specific table)..



### MOD = 0 - Activation using the staircase light key of any handset and EP (if equipped with the corresponding key)

- 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 | M | N/P | T |
|-----|---|-----|---|
| 0   | 0 | 0   | 0 |
| 0   | 0 | 0   | 0 |
| 0   | 0 | 0   | 0 |

The contact activates for 3' when the staircase light key of any handset and EP of the system is pressed

### MOD = 1 - Activation using the staircase light key of any handset part of a group

- 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

**NOTES :** - A group is a sequence set of handsets.

- If used with riser interfaces 346851, these interfaces must not be in Mod = 6 & Mod = 7

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

Tens Unit Tens Unit

Example

| MOD | M | N/P | T |
|-----|---|-----|---|
| 1   | 1 | 1   | 2 |
| 1   | 1 | 1   | 2 |
| 1   | 1 | 1   | 2 |

The contact activates for 6" when the staircase light key of any handset configured with N from 1 to 12 is pressed.

### MOD = 2 - Activation using the staircase light key of any handset of the riser (with actuator installed on the backbone)

- 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 (Only Mod = 5)

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

Tens Unit Tens Unit

Example

| MOD | M | N/P | T |
|-----|---|-----|---|
| 2   | 1 | 9   | 5 |
| 2   | 1 | 9   | 5 |
| 2   | 1 | 9   | 5 |

The contact activates for 1" when the staircase light key of any handset of riser 19 is pressed

### MOD = 2 - Activation from all the entrance panels (if equipped 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
- Connect configurator 4 to M

| MOD | M | N/P | T |
|-----|---|-----|---|
| 2   | 4 | 0   | 6 |
| 2   | 4 | 0   | 6 |
| 2   | 4 | 0   | 6 |

The contact activates for 6' when the staircase light key of any preset EP is pressed

### MOD = 3 - Activation using the staircase light key of 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

| MOD | M | N/P | T |
|-----|---|-----|---|
| 3   | 0 | 0   | 0 |
| 3   | 0 | 0   | 0 |
| 3   | 0 | 0   | 0 |

Tens Unit Tens Unit

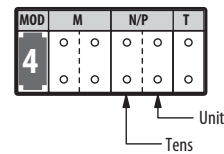
Example

| MOD | M | N/P | T |
|-----|---|-----|---|
| 3   | 0 | 1   | 5 |
| 3   | 0 | 1   | 5 |
| 3   | 0 | 1   | 5 |

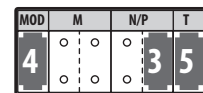
The contact activates for 1" when the staircase light key of the handset configured with N=15 is pressed

#### MOD = 4 - Activation using the staircase light key of a single EP (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



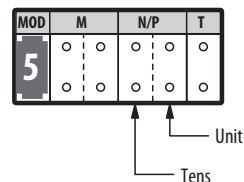
Example



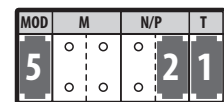
The contact activates for 1" when the staircase light key of the EP configured with P=3 is pressed

#### MOD = 5 - Activation of the door lock from all the 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.
- In N/P enter the ten and the units corresponding to the configuration entered in (P) of the handset controlling the door lock.



Example



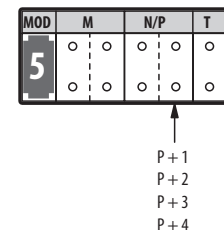
The contact activates for 1" when the door lock key of any (idle) handset configured with P=2 is pressed

#### MOD = 5 - Activation of the door lock using the configurable handset keys

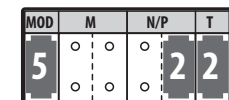
- Direct door lock opening with handset in pause.
- Customize the time through the configurator T.
- Insert in N/P the address that the actuator must take inside the system.

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 configuration of the additional handset keys, refer to the technical data sheets of the individual handsets.



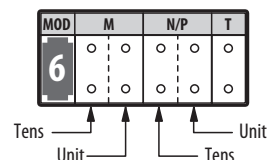
Example



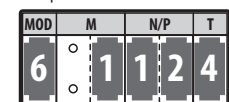
The contact activates for 3" when the additional key (P+2) of handsets configured with (P=0) is pressed

#### MOD=6 - Bell call repetition to one individual handset from a specific EP

- Repeat the call from a specific EP and addressed to a specific handset using a bell.
- Customise the time using configurator T (the accepted configurators are: 1,2,3,4)
- In M enter the ten and the units of the EP from which the call must be repeated
- In N/P enter the ten and the units of the handset associated to the function



Example



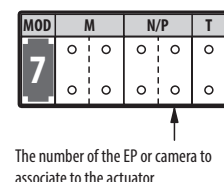
The contact activates for 10" every time a call from the EP configured with P=1 is made to the handset configured with N=12. If the call is answered before the expiry of time T, the contact opens again.

#### MOD = 7 - Light switching on for illumination of the camera field of view

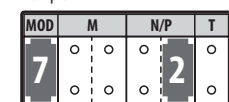
If the time of the contact is not customised (T NOT CONFIGURED), at the forwarding of the call from the entrance panel, or the activation of the camera (N/P configuration), the actuator also closes the contact, keeping it closed until:

- if the call is answered, the communication is closed, or the conversation timeout activates (< 1 minute)
- if the call is not answered, after 30 seconds (call forwarding timeout).

NOTE: if a configurator (1,2,3 or 4) is connected to T, it will be possible to activate the contact, for the time corresponding to the configurator connected, when a call/automatic switching on is made from/to the entrance panel configured in N/P.



Example



The contact activates when the EP configured with P=2 makes a call. The contact deactivates when the handset is replaced to terminate the call, or after 30" if the call is not answered

### MOD = 9 - Activation of the configurable 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 entered in the actuator must be between  $P + 1$  and  $P + 4$  of the P configurator connected to the handset that controls the automatic switch on service.

For further information on the configuration of the additional handset keys refer, to the technical data sheets of the individual handsets.

| MOD | M | N/P | T |
|-----|---|-----|---|
| 9   | ○ | ○   | ○ |
| 9   | ○ | ○   | ○ |

$P + 1$   
 $P + 2$   
 $P + 3$   
 $P + 4$

Example

| MOD | M | N/P | T |
|-----|---|-----|---|
| 9   | ○ | 3   | 3 |
| 9   | ○ | ○   | ○ |

The contact activates for 6" when the additional key ( $P+1$ ) of handsets configured with ( $P=2$ ) is pressed

### MOD = SLA - Bell call repetition for one individual handset

- Repeat the calls from entrance panels using a 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.

| MOD | M | N/P | T |
|-----|---|-----|---|
| SLA | ○ | ○   | ○ |
| SLA | ○ | ○   | ○ |

Tens  
 Unit

Example

| MOD | M | N/P | T |
|-----|---|-----|---|
| SLA | ○ | 16  | 3 |
| SLA | ○ | ○   | ○ |

The contact activates for 6" every time a call is received by the handset configured with  $N=16$ . If the call is answered before the expiry of the time T, the contact opens

### MOD=SLA - Bell call repetition for a group of handsets

- Repeat the calls from entrance panels using a Bell
- Customise the time using configurator T (the accepted configurators are: 1,2,3,4 and 8)
- In M enter the ten and the units of the first handset of the group
- In N/P enter the ten and the units of the last handset of the group

Note: a group is a sequential number of handsets; the first handset cannot be 00.

The contact activates for 6" every time a call is received by the handsets configured with N from 11 to 16. If the call is answered before the expiry of the time T, the contact opens again

| MOD | M | N/P | T |
|-----|---|-----|---|
| SLA | ○ | ○   | ○ |
| SLA | ○ | ○   | ○ |

Tens Unit      Tens Unit

Example

| MOD | M  | N/P | T |
|-----|----|-----|---|
| SLA | 11 | 16  | 3 |
| SLA | ○  | ○   | ○ |

The contact activates for 6" every time a call is received by the handsets configured with N from 11 to 16. If the call is answered before the expiry of the time T, the contact opens again

### 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              | cydic (ON/OFF) |

### Wiring diagram

