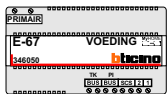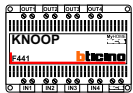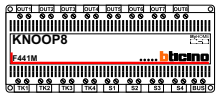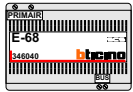# Het fabrieksschema, dat u zocht, staat op de volgende pagina.

Groothandel Nelec heeft voor alle tweedraads deurcommunicatie van BTicino zeer duidelijke Nederlandse schema's en gebruiksaanwijzingen gemaakt. U vindt alles op www.nelec.com. Als u BTicino deurcommunicatie koopt bij Nelec, krijgt u voor ieder project een aansluitschema op maat, worden de buitenposten in elkaar gezet en zijn alle videofoons voorgeprogrammeerd. De monteur kan direct aan de slag en als hij een vraag heeft, krijgt hij bij Nelec iemand met verstand van zaken aan de lijn. Alle informatie staat duidelijk op www.nelec.com.

Klik op deze pagina voor meer informatie over dit product.

## The Bticino factory file you're looking for is on the next page.

Specialized wholesaler Nelec has made excellent manuals in Dutch for all BTicino two-wire intercom components. Get more information on this product by clicking this page.

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| | |
|---|---|
| Telefoon | 020-6 352 350 |
| Verkoop | 020-6 352 351 |
| Administratie | 020-6 352 352 |
| Techniek | 020-6 352 353 |
| Offertes | 020-6 352 357 |
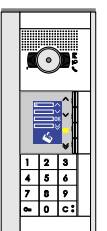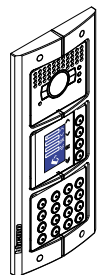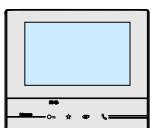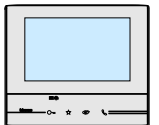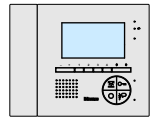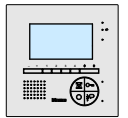
# Actuator

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 $\varphi$ = 0.5) |
| | SELV device |

## Dimensional data

4 DIN modules
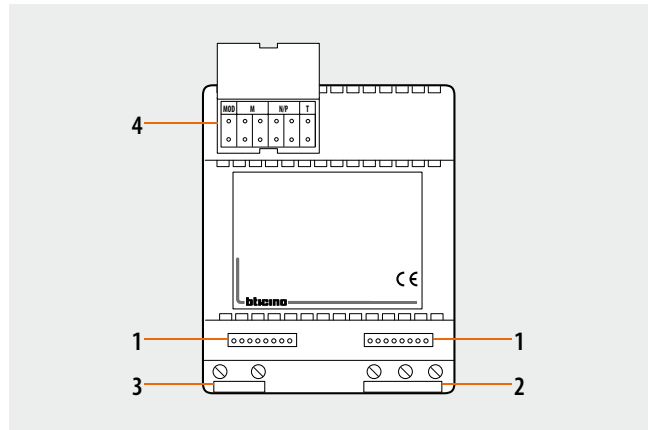


## Legend

**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.



T = 0 closes the contact for 30"

**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
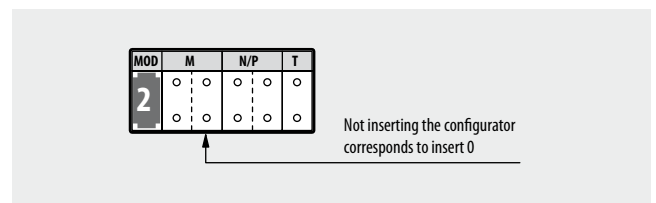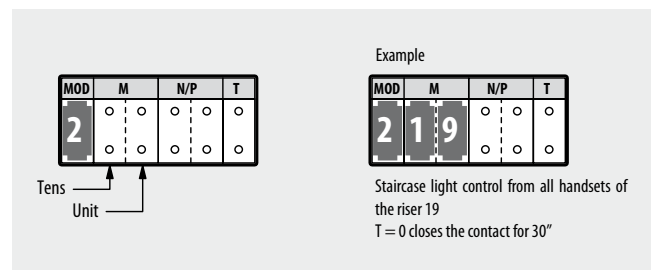- Insert in N/P the ten and the units of the last handset of the group
**NOTE:** a group is a sequence set of handsets.



Example

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



Example

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



Not inserting the configurator corresponds to insert 0
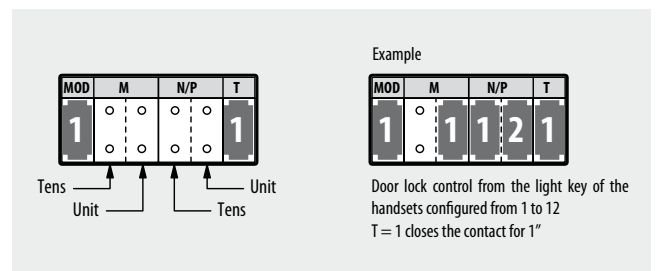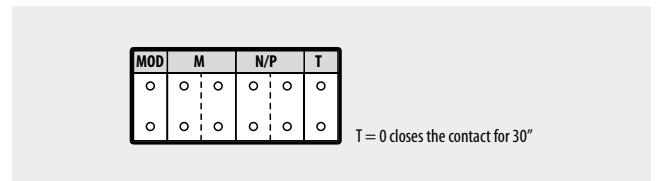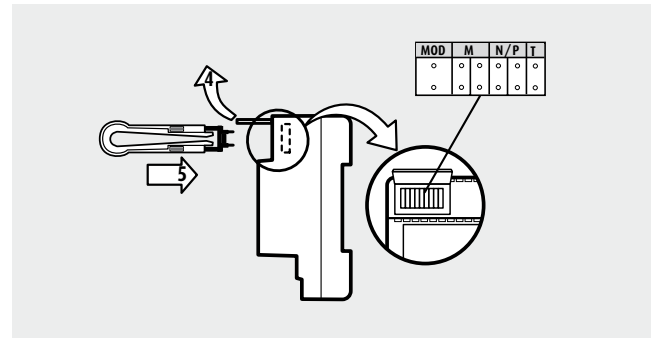
## MOD = 3 - Sundry services from single handset
- The actuator is enabled by pressing the light pushbutton of only one handset.
- Customize the time through the configurator T.
- Put in N/P the ten and the units of the handset that controls the relay



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

Unit
Tens

Example

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

| MOD | M | | N/P | | T |
|---|---|---|---|---|---|
| 4 | | | | | 5 |

Unit
Tens

Example

| MOD | M | | N/P | | T |
|---|---|---|---|---|---|
| 4 | | | 3 | | 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.

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

Unit
Tens

Example

| MOD | M | | N/P | | T |
|---|---|---|---|---|---|
| 5 | | | 2 | | 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.

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

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

Example

| MOD | M | | N/P | | T |
|---|---|---|---|---|---|
| 5 | | | 2 | | 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).

| MOD | M | | N/P | | T |
|---|---|---|---|---|---|
| 7 | | | | | |

The number of the EP or camera to associate to the actuator
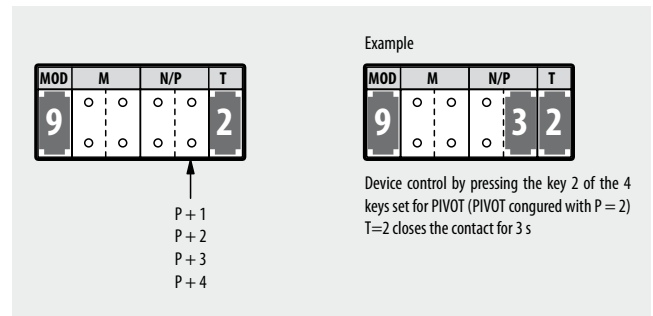
Example

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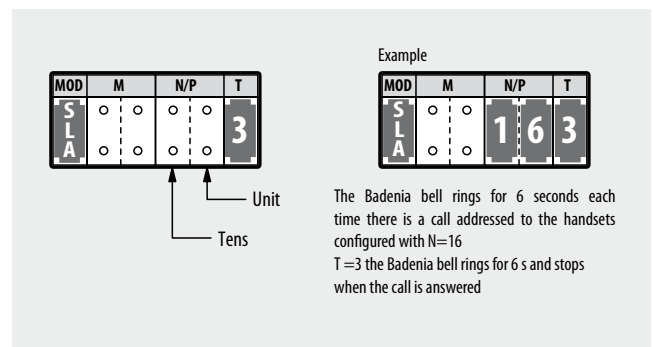- Direct door lock opening with handset in pause.
- Customize the time through the configurator T.
- Insert in N/P the address that the actuator must take inside the system.

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.



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

Example

Device control by pressing the key 2 of the 4 keys set for PIVOT (PIVOT congured 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.
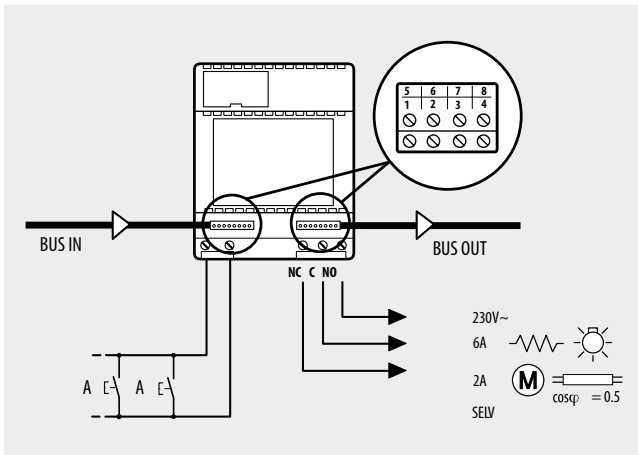


Unit

Tens

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



BUS IN

BUS OUT

NC C NO

A ⌐ A ⌐

230V~
6A

2A

SELV

M  $\cos\varphi = 0.5$

## 2-wire standard wiring diagram



Handset Bus

Bus TK

2

2

346000

346200

BUS TK  BUS PI

PS

BUS 2 1

346830

230 Vac

NC C NO

~ C NO

2