

Timed door lock actuator

Description

Timed door lock actuator for 2 WIRE system.

It can be used for switching the lights on, opening gates, or manage electromagnetic door locks, timed door opening, and door status (with NC contact).

The DOOR STATUS function can only be used with door entry systems and video door entry systems fitted with signalling LEDs, and when a magnetic door status contact is present.

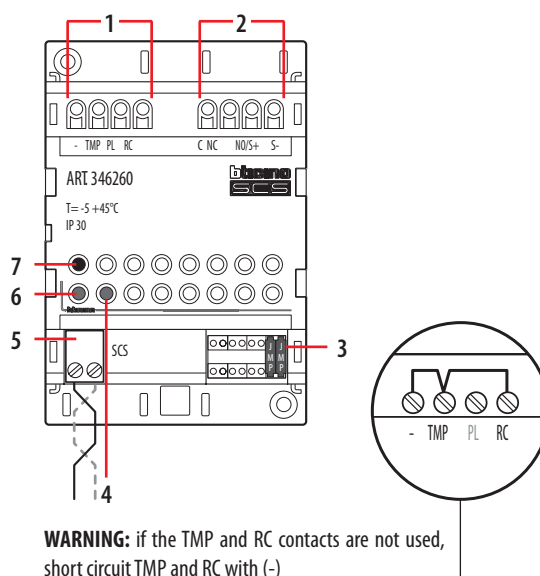
Only for the French market: it may also be used in systems integrated with an appropriately configured ACCESS CONTROL system.

Technical data

| | |
|----------------------------|-------------|
| Power supply from SCS BUS: | 18 – 27 Vdc |
| Stand by absorption: | 5 mA |
| Max. operating absorption: | 250 mA |
| Operating temperature: | 5 – 40 °C |

Dimensional data

4 DIN modules



Legend

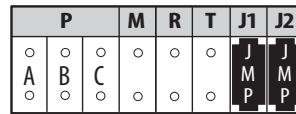
- 1** - Door status connection clamps:
 - (-) Common
 - (TMP) Anti tamper line contact (normally closed on -)
 - (PL) Door opening pushbutton contacts (normally open on -)
 - (RC) Door status magnetic contact (normally closed on -)
- 2** - Electromagnetic door lock connection clamps:
 - (C) Common
 - (NC) Normally closed contact
 - (NO/S+) Normally open contact
 - (S-) Contact for door lock power supply from BUS (to be used with NO/S+)
- 3** - Configurator socket
- 4** - Notification orange LED: on when the relay is active
(flashing orange + red LEDs for open door notification)
- 5** - 2 WIRE BUS connection clamps
- 6** - Notification red LED: flashing in case of system tampering
- 7** - Door opening local pushbutton

Configuration

The device must be physically configured in terms of:

P - Associated entrance panel number

A configurator like the one inserted in P of the entrance panel must be connected to this socket. When the actuator is associated to the main entrance panel, no configurator must be connected to P.



A = DO NOT USE (access control only)

B - C = P CONFIGURATOR SOCKETS

M = Operating mode

Assigns the operating mode to the internal relay of the actuator, based on the following table:

| M = | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|--|-----------------|--|---------------------|-----------------|--|---------------|-----------------|
| Management of access control | YES | YES | Signal repetition | YES | YES | NO | NO |
| Management of 2 WIRE video door entry system | NO | NO | NO | YES | YES | YES | YES |
| Actuator relay status | ② Normally open | ③ Normally closed. Electromagnetic door lock | ④ Signal repetition | ⑤ Normally open | ⑤ Normally closed. Electromagnetic door lock | Normally open | Normally closed |

R = Enabling/disabling of the anticipated relay switching function⁽¹⁾

| Configurator | 0 | 1 |
|--------------------|------------------|----------|
| Advance of closing | Enabled (2 sec.) | Disabled |

T = Door lock relay timing

| Configurator | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------|---|---|----|----|----|----|----|-----|
| Timesec. | 4 | 1 | 10 | 20 | 40 | 60 | 90 | 180 |

J1 - J2 = Jumpers for the selection of the door lock power supply

CONNECTED = DOOR LOCK POWERED BY THE BUS

DISCONNECTED = DOOR LOCK POWERED BY AN EXTERNAL DEVICE

Note:

- (1) If enabled, 2 seconds after the opening of the entrance, anticipated relay switching occurs, irrespective of the T time set (this function can be used with door status magnetic contact and for T = s).
- (2) The device supplies the NC and NO contacts of the internal relay. It is therefore possible, also with M = 0, to use the internal relay as normally closed. It must be noted that in case of power cut from the power line (230 Vac), the relay stays normally closed and, if the power supply of the electric door lock is fitted with a back-up battery, the door lock stays closed.
- (3) In this mode, the software forces the relay to perform the opposite operation (positive safety). The NO contact stays in the closed status, and is opened in order to open the door (passage). In case of power cut from the main power line (230 Vac), the relay opens, and the door lock opens, even if the power supply line of the door locks is fitted with a back-up battery.
- (4) Operation as signal repeater. In case of system intrusion or opening of a door, the relay output can also activate an external notification device (sound or visual notification), based on the time value set in T.
- (5) Integration mode between video door entry system and access control (see instructions of 348000).

Connection example

