

Contact interface

F482

Description

These interfaces are used for connecting 2 independent contact lines - which can be balanced with a resistance, delayed on operation - and a protection Tamper line.

Made in the modular version with 2 DIN modules these devices can be used as an alternative to interfaces item L/N/NT4612 and item AM5792 in case it is necessary to centralise all interfaces in a board or in junction boxes.

LED indicators inside the devices indicate proper operation of the interface when testing the system and when the burglar-alarm starts operating while the system is on.

In order to install the interface item F482 safely, it is recommended to use protected DIN switchboards on the opening of a tamper contact to be connected to the appropriate clamps on the interface.

For level 2 systems (CEI 79-2) the central unit must also be protected from removal (tearing protection).

Technical data

- Power supply from SCS BUS: 27 Vdc
- Max. absorption: 6 mA
- Operating temperature: 5 – 40°C

Dimensional data

- Size: 2 DIN modules

Configuration

This interface module requires - for each of the two contact lines separate from each other - the allocation of the assigned zone Z, the progressive number N of the detectors situated in the same zone, the setup of the MOD protection mode of the contact line. You will not need to configure both lines if one is not used.

Z1

This configurator assigns the number of the assigned zone of the NC/NO magnetic contact connected to line 1.

Configurator 1 gives the contact the assignment to zone 1, configurator 2 gives the assignment to zone 2 and so forth, up to a maximum of 8 zones.

Z2

As above, for contacts connected to line 2.

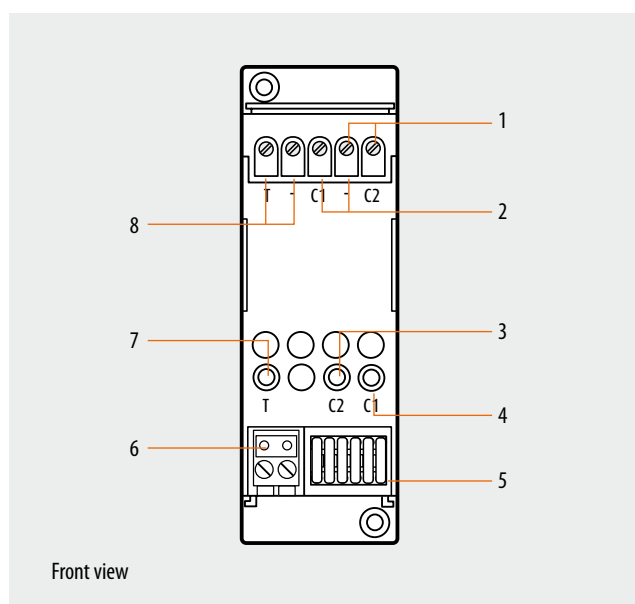
N1

This configurator assigns the progressive number of the NC magnetic contact within the zone determined in position Z1.

Configurator 1 identifies the first detector, configurator 2 identifies the second, and so forth, up to a maximum of 9 contacts for each of the 8 zones.

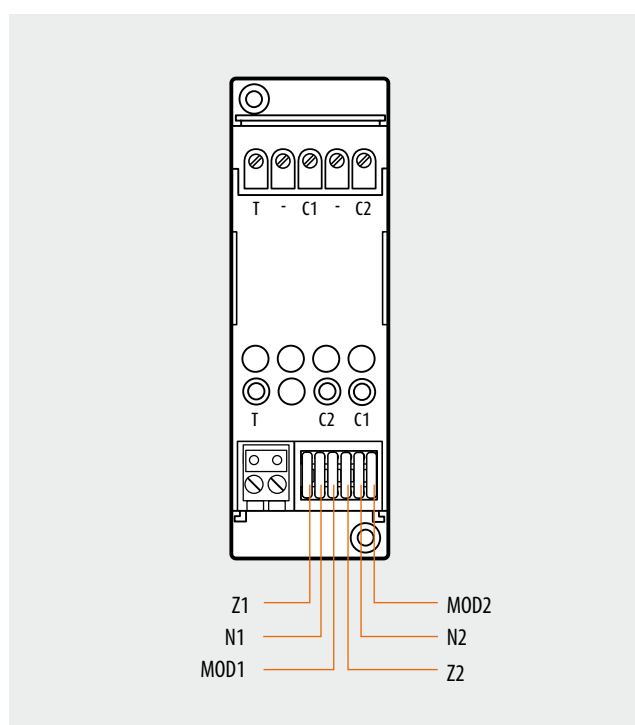
N2

As above, for contacts connected to line 2 (zone Z2).



Legend

1. Contact line 2;
2. Contact line 1;
3. Line 2 activated LED;
4. Line 1 activated LED;
5. Configurator socket;
6. Clamp for burglar alarm BUS;
7. Tamper active LED;
8. Tamper line.



Configuration

MOD1 and MOD2

A configurator is connected to this position for selecting the operating mode of the interface according to the type of contact or detector connected to the two lines. It is possible to have balanced and unbalanced protection lines with the possibility to produce the alarm with a delay as with zone 1. For details concerning the different operating modes, please refer to the table below.

Configurator	Sensor connected
none	NC contacts
1	NC contacts - balanced
2	NC contacts - delayed *
3	NC contacts - delayed * - balanced
4	NC contact and AUX event generation
5	NC contacts - balanced and AUX event generation
6	NC contacts - delayed and AUX event generation
7	NC contacts - balanced delayed and AUX event generation

* Follows the delay set up in the central unit:

this function operates only on central units item 3486, 3485/B and item HC/HD/HS/L/N/NT4601. With central unit item L/N/NT4600/1 the interface must be allocated to ZONE 1 with a time delay set (see central configuration).

Energy saving management with Temperature control

If the contact interface is used in conjunction with the temperature control system to optimise energy saving, two different types of configurations will be possible:

- **Use in the temperature control system only:** The contact interface is directly connected to the temperature control BUS. It autonomously and independently manages the two C1 and C2 lines. Only the line used must be configured, and not both of them. Follow by connecting the AUX configurator to the MOD1 and/or MOD2 sockets. Then configure the [Z1/2] and [N1/2] sockets, in order to assign the address from 1 to 99 to the device within the system. The coupling between the interface contact line and the temperature control zone must be performed using the TiThermo application.
For more information refer to the MY HOME Temperature control guide.

Specific mode for connection to wired rolling shutter sensors

Configurator	Sensor connected	Pulses (*)
8	Flush detector for rolling shutters - delayed**	12 (about 20 cm)
9	Flush detector for rolling shutters - delayed**	25 (about 45 cm)

Note (*): impulses generated by the detector according to the opening range, in cm, of the window before producing the alarm.

** Follows the delay set up in the central unit:

this function operates only on central units item 3486, 3485/B and item HC/HD/HS/L/N/NT4601. With central unit item L/N/NT4600/1 the interface must be allocated to ZONE 1 with a time delay set (see central configuration).

- **Use of a burglar-alarm system integrated with the Temperature control system:** in this case, the contact interface is connected to the burglar-alarm system BUS only, and communicates with the temperature control system BUS through the F422 interface.

The interface must be configured in Z1/2 and N1/2 following the requirements and features of the burglar alarm system; only configurators with values 4 to 7 must be connected to the MOD1/2 position, corresponding to the management of NC contacts with generation of AUX event (see tables above). Also in this case, the actual coupling between the interface contact line and the temperature control zone must be performed using the TiThermo application.

For more information refer to the MY HOME Temperature control guide.

Wiring diagram

