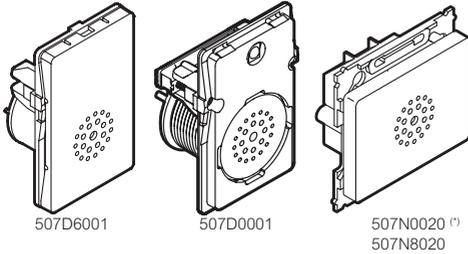


by Schneider Electric

## IHC Control® Alarm Internal emitter



(\*) Lightgray and white cover included

### For your safety



**DANGER**

#### Risk of fatal injury from electrical shock.

Work on the mains voltage may only be performed by a skilled electrician. Observe the countryspecific regulations. Work on the mains voltage is necessary if, for example:

- You are mounting the device onto a flush-mounted box with 230 V cables or
- an existing switch/socket-outlet combination has to be dismantled.

### Application

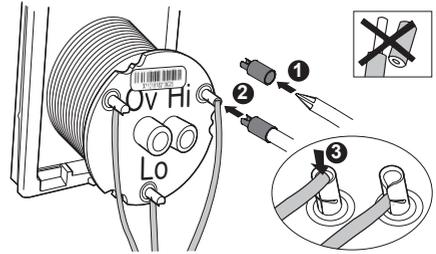
The alarm sound emitters have been specially developed for alarm purposes. They emit high-pressure tones, and can be fitted in FUGA boxes for bricking in, embedding, inserting from the front and external bases.

### Design

Two IHC 24 V outputs can be used to enable the same sound emitter to emit tones at two sound levels, 98 dB(A) and 80 dB(A) (see fig. 1).

If you prefer separate acoustic images in different rooms, the sound emitters' inputs can each be connected to their own IHC 24 V output or connected in parallel to the same IHC 24 V output.

### Wiring



Mount the wires as shown in the drawing. Important: Press the tool down over the pin until it reach the bottom without twisting.

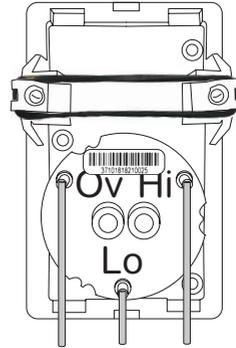


Fig. 1.

### Location

It is recommended that the sound emitters are located as follows:

#### Burglar alarm

The internal alarm aims to generate maximum stress in the intruder. The sound emitters are therefore located in places where there are items of value, i.e. in the living room, the computer room or the bedroom.

Other possible locations might be the utility room or hallways. Set a pulse with the minimum pause, e.g. one-second tone, one-second pause.

#### Other IHC alarms Locations

Bedroom, hallway, stair well, living room, kitchen. If the alarm is used for other purposes, e.g. to indicate the failure of a circulation pump, a fridge, a network, etc., the sound emitters are located individually with the required acoustic image. Low-voltage leads are connected from the rear in cutting terminals using the tool provided (mounting bit).

The sound emitters can be fitted to the relevant FUGA 1½ module base, in bricked-in/ embedded boxes and in cases with front insertion.

## Sound properties

In a large building with solid walls it is possible that the pulses might be reflected, so that the pulses are completely swamped by the echo. In such cases a pause period must be set. It might be necessary to perform tests to achieve the ideal acoustic image.

### Proximity to the sound emitter

If you spend a long time in buildings where the IHC Control Alarm is activated, you might experience discomfort. When installing alarms in children's rooms it is recommended that you begin with an acoustic image from the 98 dB output (e.g. 1-3 minutes) followed by a constant acoustic image from the 80 dB output.

The human ear is more sensitive to variations in the acoustic image than to a frequency emitted at a constant sound pressure. Sound emitters combined with the IHC system provide full freedom to pulse the IHC 24 V output, for example an ignition period of one second, followed by a pause of 1-45 seconds.

It is possible to muffle the sound by fitting a standard cover on the casing with no perforation. This cover will also mask the function.

## Necessary accessory

For inserts without cover you need to buy cover before the unit will work.

## Cleaning

Clean the product with a cloth that has been dipped in tepid water and firmly wrung.

## Technical data

Nominal voltage	20-28 V DC
Power consumption	2 - 13 mA
Frequency	3500 Hz +/- 15%
Humidity	5% to 95% RH
Air pressure at 1 m distance	Min. 80 dB(A) (Lo) Max. 98 dB(A) (Hi)
Max. number of sound emitters connected in parallel to one IHC 24V output	20 pcs.
Loop	Max. 2 leads of the same dimension
Wire dimensions	Ø 0.3-0.6 mm. Max. Ø incl. insulation 1.35 mm (28-22 AWG)
Protection rating	IP 20
Operating temperature	- 5 °C to + 45 °C
Module size	1½ M
Directives	See online catalogue
Standards	See online catalogue

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Please submit this user instruction to the end user