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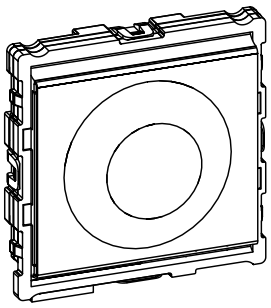


6LE004221A Ind. A

2D

RE..612X

Built-in 2-wire camera module (without audio)

Safety instructions

Electrical equipment may only be installed and assembled by a qualified electrician in accordance with the relevant installation standards, guidelines, regulations, directives, safety and accident prevention regulations of the country.

When installing and laying cables, always comply with the applicable regulations and standards for SELV electrical circuits.

These instructions are an integral component of the product and must be retained by the end user.

Design and layout of the device

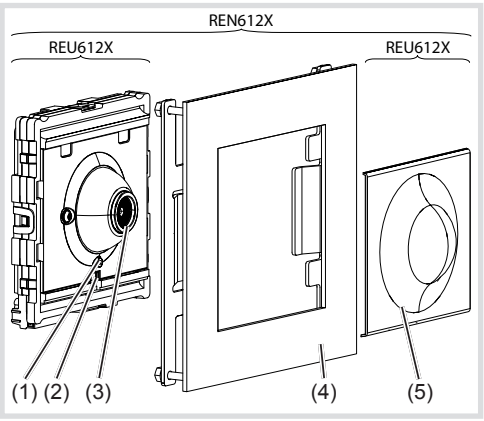


Figure 1: video module front face

(1) Locating screw for camera (Allen key supplied)
(2) Twilight sensor
(3) Video camera
(4) Module base (according to reference)
(5) Centre plate

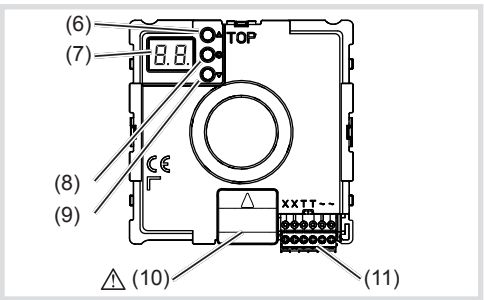


Figure 2: back

(6) Upward setting button ▲
(7) 7-segment display
(8) Selection button ○
(9) Downward setting button ▼
(10) Sealing plug

To ensure sealing, the plug must not be unstuck. The module-to-module connector is not used for this product and therefore does not work.

(11) Power supply connection terminal block

Installation and electrical connection

- Touching live parts in the installation environment can result in an electric shock!
- An electric shock can be lethal!
- Before working on the device or load, disconnect all associated circuit breakers. Cover all live parts in the area!

Bus cables: Ø 0.8 mm

- J-Y(ST)Y or A-2Y(L)2Y
  Use twisted wire pair
  Recommendation: white/yellow
- CAT
  Use twisted wire pair
  Recommendation: orange/white
- YR
  Use adjacent wires

Installing the device

- An installation height of approx. 1.5 m (middle of the camera lens) is recommended for persons of average size.
- The device should be mounted according to the product in which it is to be installed (see on-site mounting instructions, e.g. outdoor caller unit, cover plate, etc.)
- Choose the installation location so that direct sunlight and back light are avoided, and bright lights or other light sources do not interfere with camera transmission.
- Backgrounds with a high level of brightness, extreme contrasts or reflections reduce the image quality.
- If it is dark and the camera infrared visual field illumination is on, black and white images at a range of approx. 0.7 m are transmitted. Entrance lighting above the camera enables colour images during darkness.

Connecting the video cameras

- Connect the 2-wire bus cable pair to the terminal X1X1 video distributor.

  Connect one of the video distributor XX terminals to the camera connection terminal block (figures 3 and 4).

  The unused XX connections on the video distributor must be connected to a termination resistor.
- For camera heating connect 12 V~ lead from the power transformer to the terminals ~~ of the connection terminal block (figures 3 and 7).
- Only in operating mode “associated door camera” and if the audio outdoor caller unit is not connected to the door release:

  Connect door release to the terminals **TT** of the connection terminal block (figures 3 and 4) if required.

  or:

  For an anti-tamper protected installation, connect the door release ⊏△ to the line power supply (figure 4).

To ensure anti-tamper protection, the door release power lead must not be threaded through the outdoor caller unit.

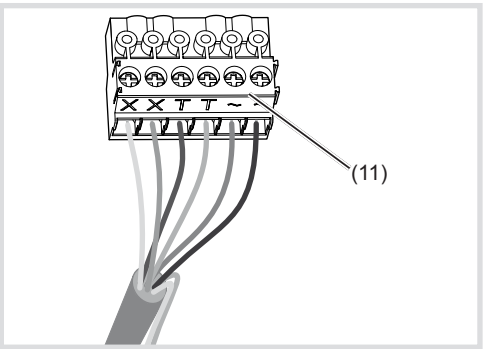


Figure 3: wired connection terminal block

- Plug the connection terminal block into the video module.
- Clip the module into its housing at the back of an outdoor caller unit, for example, and screw it in place.
- Close the outdoor caller unit

Circuit symbols and elements of the circuit diagrams

	Line power supply RMD
	Mains transformer 12 V~ RMD
	Video distributor
	Terminator/terminating resistor
	Door release
	Video camera
n	Audio outdoor caller unit
	Twisted-wire pair for 2-wire devices (recommendation: white/yellow wire pair)
	Non twisted-wire pair, e.g. for door release

The camera does not have to be connected to the door release if it is already wired to and set for the audio outdoor caller unit.

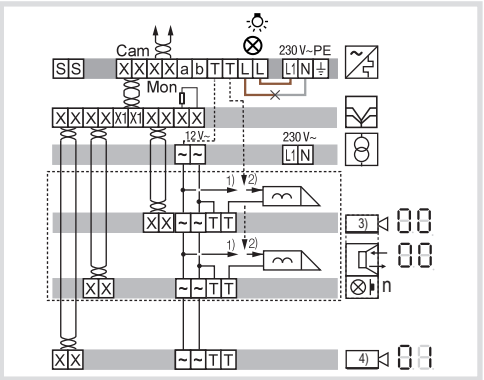


Figure 4: video camera connection

1) Door release wiring is not anti-tamper protected
2) Anti-tamper protected door release wiring
3) Wiring of an associated door camera with possible use of the door release (audio outdoor caller unit allocated to the camera)
4) Wiring of an additional camera without possible use of the door release

Changing of system settings

On the back of the device, there are 3 buttons and a 2-digit 7-segment display (figures 2 and 5) for the system settings.

- Press ▽ / △ button.

  Device turns to setting mode. The first menu entry is displayed.

> The reading direction of the 7-segment display varies by 180° depending on which button ▽ / △ you start with.

- Select the desired menu entry with ▽ / △ (figure 5).
- Confirm the selection with ○.

> The 7-segment setting goes dark if no button is pressed for 20 seconds. Settings are applied. The device returns to normal operation.

Setting the values

The menu entry to be set is confirmed and flashes alternately with the value to be set.

- Press ▽ / △ button.

  Short button-press: change the value by one step.

  Long button-press: run through values. Scrolling stops when the button is released.
- Confirm set value with ○.

  The device applies the setting and returns to the previous menu entry.

Pointing the camera in the right direction

The camera can be pointed to ensure the picture captures the site context (figures 6 to 9).

The outdoor caller unit is installed.

- Insert a flat-headed screwdriver into the opening (12) then gently lever the camera centre plate to loosen it (figure 6).

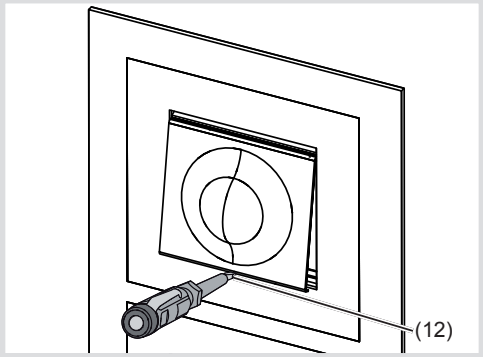


Figure 6: dismantling video module centre plate

(12) Opening for dismounting

- Loosen the locating screw (1) for the camera with the 1.5 mm Allen key supplied (Figure 7).

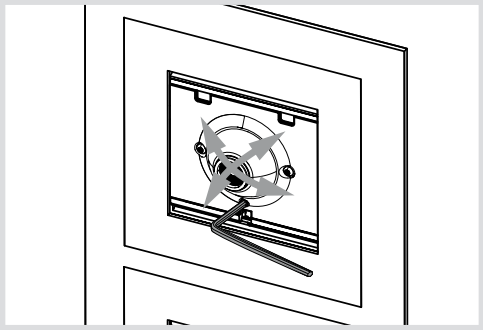


Figure 7: video module direction adjustment

- Point the camera in the right direction (figures 8 and 9).

  The entrance zone is visible on the indoor unit video screen.
- Fix the camera back in place using the screw (1).

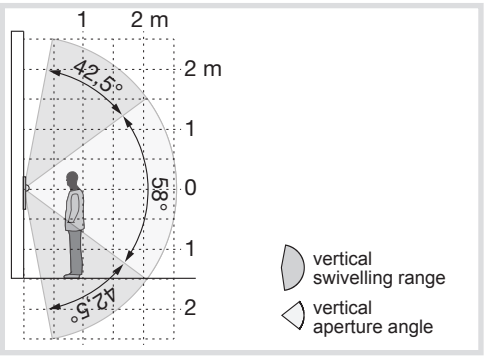


Figure 8: vertical camera orientation

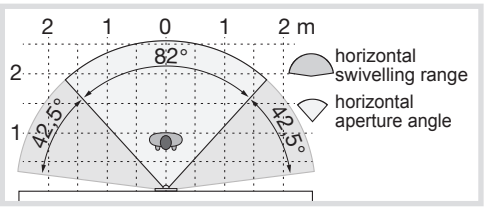
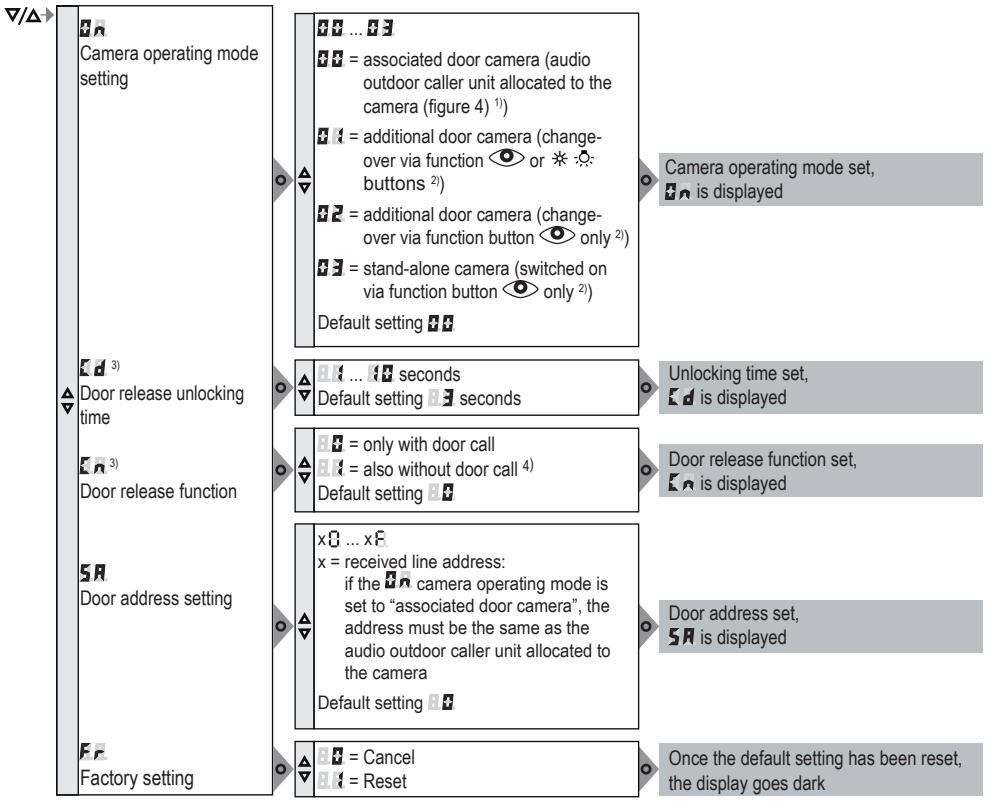


Figure 9: horizontal camera orientation

Replacing the module

- Device dismounting will depend on the product in which it is installed (see on-site mounting instructions, e.g. for outdoor caller unit, cover plate, etc.).

> The device must be re-addressed to operate the outdoor caller unit.



1) The outdoor caller unit audio module must be configured in audio/video mode (parameter .. set at 1 or DIP switch 1 ON, depending on the outdoor caller unit version)
2) Indoor unit
3) Setting not required if the door release is already wired and set for the audio outdoor caller unit
4) Door release function without outdoor caller unit call only possible in installations with one door

Figure 5: overview of video camera settings

Appendix

Technical data

Operating voltage	22 ... 24 V=
Current consumption camera (Stand-by)	ca. 8 mA
Current consumption camera (operation)	max. 240 mA
Current consumption camera heating (operation)	100 mA
Door release contact **T/T** potential-free	max. 24 V/1 A
Door release unlocking time	1 ... 10 s
Camera aperture angle horizontal/vertical	82°/58°
Camera aperture angle swivelling range horizontal/vertical	42,5°
Camera resolution	500 x 582 px
Colour camera	
Invisible, glare-free IR LED night lighting	
Temperature controlled camera heating for clear view	
Scratch-proof camera cover	
Recommended camera installation height	1.5 m
Hexagon 1.5 mm camera locating screw	M2 x 10 mm
Switch on temperature camera heating	minder dan ongeveer 20°C
Connecting terminals for conductor diameter	0.5 ... 0.8 mm
Dimensions	82 x 82 x 33 mm