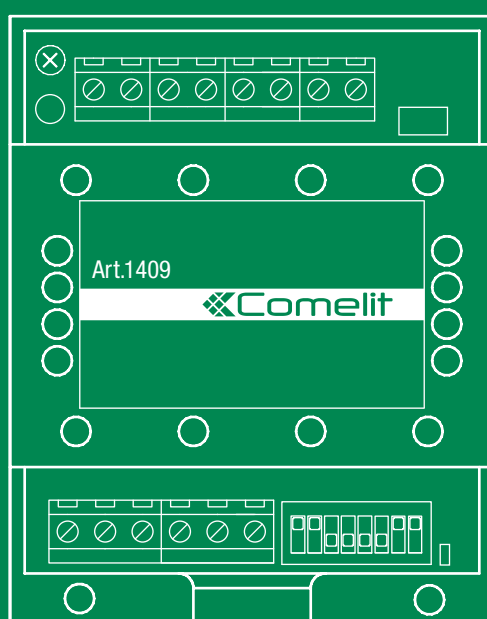


EN

TECHNICAL
MANUAL



Remote camera module for 2-wire system
Art. 1409

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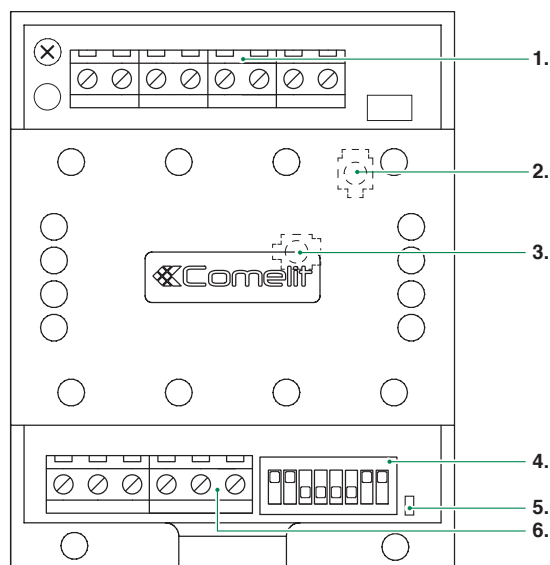
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Description

Article 1409 is a remote camera module that can be used in "Building Kit" (exclusively 2-wire), Kit Video and Simplebus Top systems (in the SB2 section). Allows management of up to 3 colour cameras in cyclical sequence from door entry monitors using a dedicated button.



1. Terminal block **M2 for system connection:**

INA Camera module external control contact

GND Common contact

V1 S1 Coax input camera 1

V2 S2 Coax input camera 2

V3 S3 Coax input camera 3

2. TRIMMER **TM2** Controls frequency of video signal modulation

(factory set to optimum setting: do not adjust).

3. TRIMMER **TM1** Controls amplitude of modulated video signal

(factory set to optimum setting: do not adjust).

4. Programming microswitches **S1.**

5. Indicator **LED DL1**

off: no video coming from cameras 1, 2 or 3

on: the video transmitted on the monitor is coming from camera 1, 2 or 3.

6. Terminal block **M1 for system connection:**

L OUT L OUT Bus line output

L IN L IN Bus line input

-- ~+ 12 Vac 20 Vdc power supply input.

Technical specifications

GENERAL INFO

Product height (mm)	83
Product width (mm)	66
Product depth (mm)	37
Operating temperature (°C)	0÷40

MOUNTING/INSTALLATION

DIN rail mounted	Yes
DIN modules (no.)	4

AUDIO/VIDEO SPECIFICATIONS

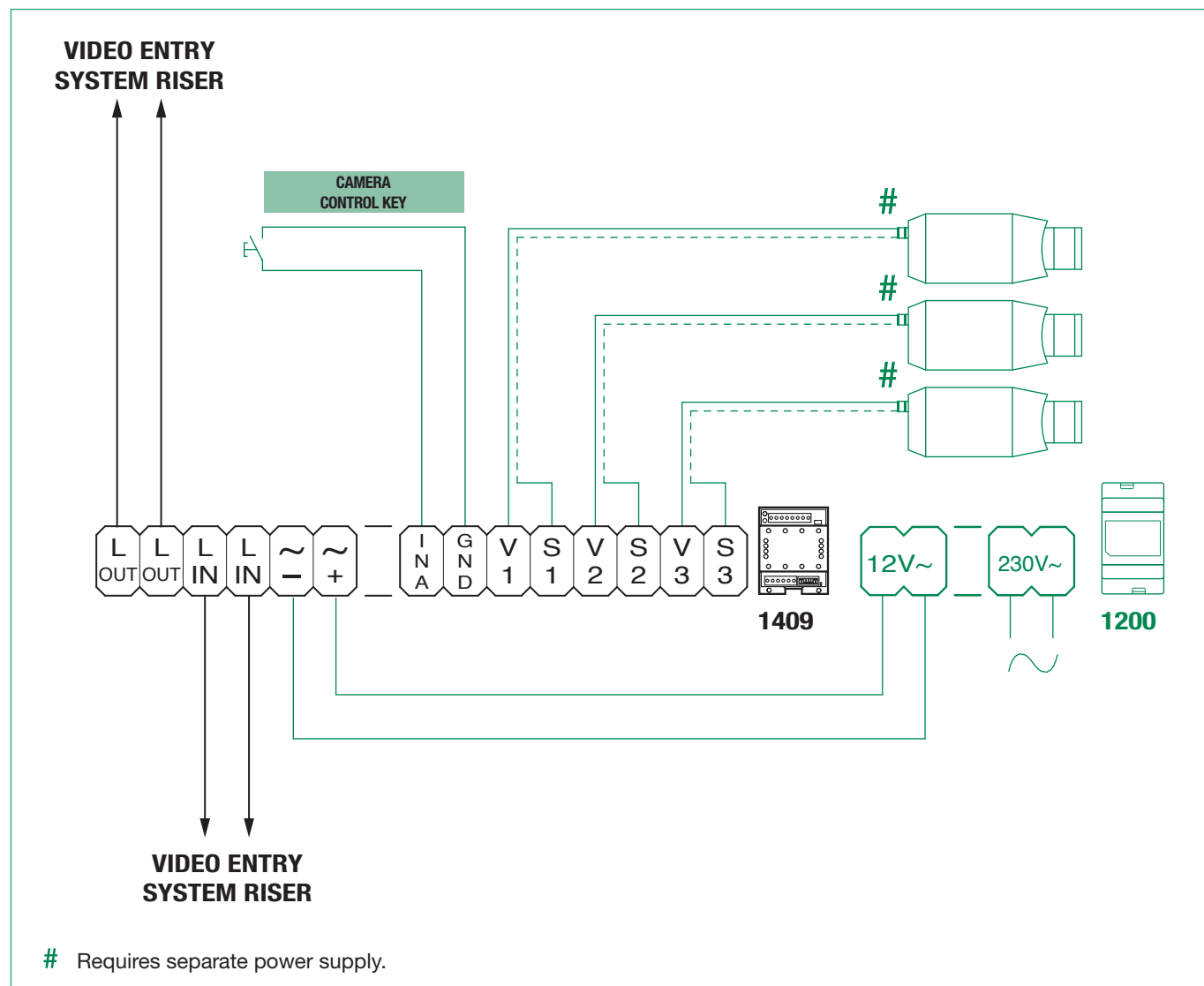
Audio system	No
Audio/video system	Yes

ELECTRICAL SPECIFICATIONS

Power supply voltage (V)	12Vac / 22Vdc
Maximum current absorption (mA)	220

Connections

1409 connections

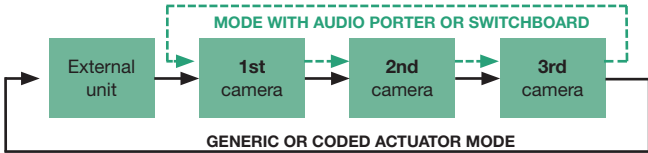


Operation and programming

Art. 1409 can be used to manage analogue CCTV cameras (up to 3).

Art. 1409 can be used in systems with Art. 1210 or 1209, and in systems with Art. 4888C in the SB2 section (running from mixer power supply unit towards the door entry monitors/door-entry phones).

- ✓ With monitor on
- Press the programmed button to cycle through all connected cameras, in accordance with the diagram below. Sequential switching can also be activated using a clean contact (C-NO) connected to the INA – GND input.



Default configuration

MODE	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
Video porter Generic actuator 3 cameras	ON	ON	OFF	OFF	OFF	OFF	ON	ON

Programming the number of cameras connected

- Set the number of cameras connected using dip switches 7 and 8, as shown in the table below:

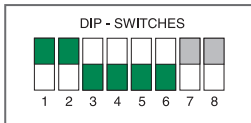
	DIP 7	DIP 8	DIP - SWITCHES
	0	0	
	1	0	
	0	1	
	1	1	

1. Generic actuator mode

 Before programming the module, see [“5. Art. 1409 compatibility table”](#).

In this mode and with the door entry phone monitor switched on, it is possible to cycle through all the connected cameras by repeatedly pressing the button programmed as “generic actuator”.

- Microswitch “S1” must be set as illustrated below.



2. Coded actuator mode



Before programming the module, see [“5. Art. 1409 compatibility table”](#).

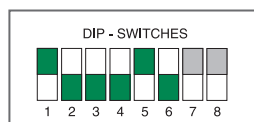
In this mode and with the door entry phone monitor switched on, by repeatedly pressing the button programmed as “**coded actuator**”, it is possible to cycle through ONLY the cameras connected to Art. 1409 with the corresponding address.

- To activate the function, program the button on the monitor as coded actuator (with address between 220 and 227 inclusive) and set selector “**S1**” as illustrated in the table below:

S1						1409 address-coded actuator correspondence	
DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	Address 1409	Actuator code on monitor
1	0	0	0	0	0	0	220
1	0	1	0	0	0	1	221
1	0	0	1	0	0	2	222
1	0	1	1	0	0	3	223
1	0	0	0	1	0	4	224
1	0	1	0	1	0	5	225
1	0	0	1	1	0	6	226
1	0	1	1	1	0	7	227

Up to 8 modules Art. 1409 with 8 different codes can be installed in the same system.

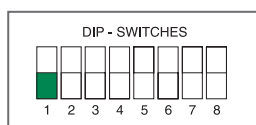
Example for setting address on Art. 1409 for control by means of actuator code 224



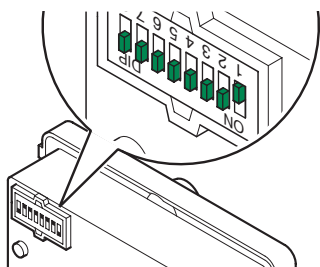
3. Mode with external audio unit

Generic/coded actuator modes can also be used on a system which includes an audio-only external unit **Art. 1622 - 1621**. For operation with “audio only” external unit:

1. set DIP 1 of selector “**S1**” as illustrated below:



2. set the external unit to video mode as shown in the picture below:



In this mode, every time a call is received from the external unit or when self-ignition takes place, the monitor switches on and displays the image from the first camera connected to Art. 1409. It will be possible to cycle through all cameras connected by repeatedly pressing the programmed button.

4. Mode with switchboard 1998A

Generic/coded actuator modes can also be used on a system which includes Video calls from switchboard.

In this mode, every time a video call is made from the switchboard, the monitor switches on as soon as the handset is lifted (or the audio button is pressed), and the image displayed will be the one from the first camera connected to Art. 1409.

At this point, each time a control button is pressed (see [generic/coded actuator modes](#)) or each time the manual contact is closed (available by connecting the INA-GND contact to the OUT-OUT terminals of the switchboard), you will be able to cycle through all available cameras.

- To use this function, the remote camera module must be connected to the outgoing Bus line from terminals **LM-LM** of the switchboard, and the switchboard set to “**Video mode**” before the call.

5. Compatibility table for art. 1409 With 1256 or other 1409 units

	Generic actuator mode	Coded actuator mode
Compatibility with 1256	No. 1256 units in generic actuator mode	No. 1256 units in coded actuator mode with codes between 220 and 227
Compatibility with Art. 1409	No other 1409 in generic actuator mode	1409 only in mode 2 with 8 separate codes

System performance and layouts

For further information of system performance and to view installation layouts, click on the type of system that best meets your needs :

- [Audio/video kit](#) for the creation of audio-video systems for *individual residences*.
- [Building Kit audio/video system](#) for the creation of audio-video systems for *small apartment blocks*.
- [SBTOP audio/video system](#) for the creation of audio-video systems for *residential complexes*.

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