

## EXCHANGER CONNECTION DIAGRAM IN A DIGITAL INSTALLATION

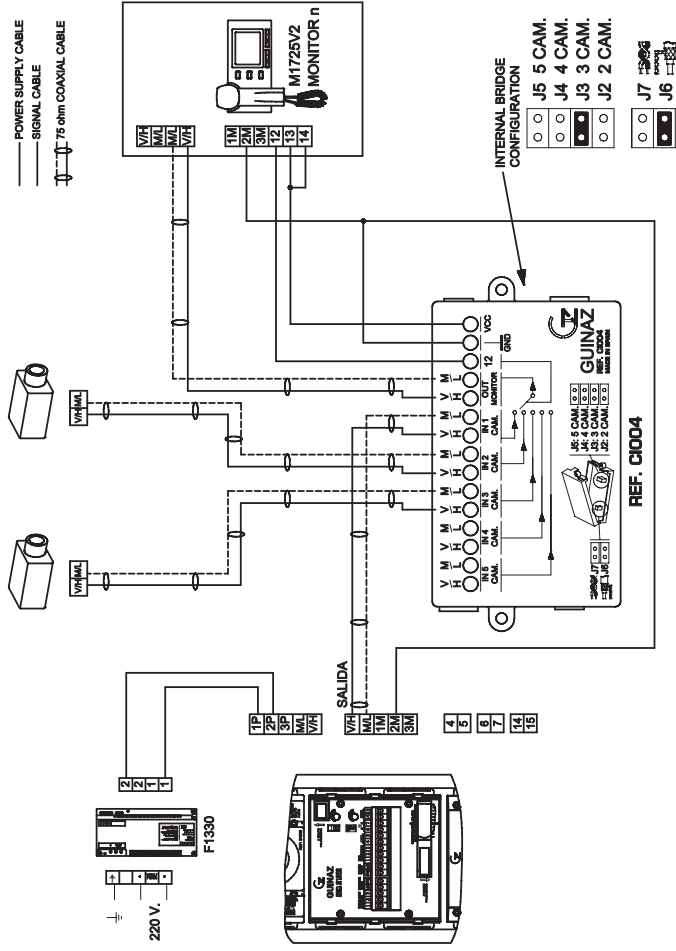


FIGURE 4. Example of connection to two additional aerial cameras in a digital installation.



## DESCRIPTION AND FUNCTIONING

In video-door installations with additional cameras, camera exchanger ref. C1004 allows for the selection of any of the cameras installed, showing the image captured by this on the monitor in the dwelling.

Two parameters will be configured in the exchanger by means of two internal bridges (figure 1):

- The number of cameras connected to the exchanger, which may be from 2 to 5, including the street panel camera of the video-door installed.
- The type of video cable installed, which may be 75 ohm coaxial or cat. 5 twisted pair (100 ohms) cable.

|                       |    |        |
|-----------------------|----|--------|
| <input type="radio"/> | J5 | 5 CAM. |
| <input type="radio"/> | J4 | 4 CAM. |
| <input type="radio"/> | J3 | 3 CAM. |
| <input type="radio"/> | J2 | 2 CAM. |

a) Number of cameras

|                       |    |                              |
|-----------------------|----|------------------------------|
| <input type="radio"/> | J7 | cat.5 twisted pair (100 ohm) |
| <input type="radio"/> | J6 | 75 ohm coaxial               |

b) Type of video cable

FIGURE 1. Exchanger configuration

When the monitor is turned on in the dwelling, the image visualised by default will be that corresponding to the camera connected to input n°1 of the exchanger (figure 2). Therefore, IT IS IMPORTANT this input is connected to the video cable corresponding to the camera to be visualised on the monitor when a call is received from the video-door installation street panel.

The AUX pushbutton on the monitor in the dwelling is used to select the camera to be visualised. The connection diagrams in the following pages (figures 3 and 4) show how to connect the cables to terminal blocks 12 and 13 corresponding to the auxiliary pushbutton on monitors. Each time it is pressed, the exchange switches to the camera at the following input, automatically returning to the first input when the number of cameras configured by means of the internal bridge (position J2, J3, J4 or J5) is exceeded.

## TECHNICAL CHARACTERISTICS

- Power supply voltage: 10V~17V
- Maximum current consumption: 25mA

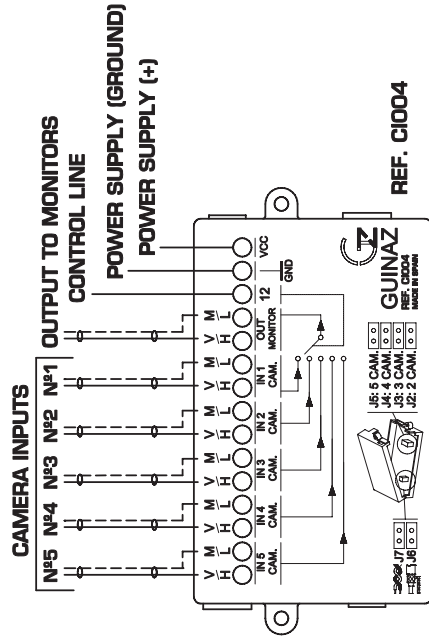


FIGURE 2. Cabling

## EXCHANGER POWER SUPPLY (VDC AND GND TERMINAL BLOCKS)

### VCC TERMINAL BLOCK:

Both in analogue and digital installations, connect the VCC terminal block of the exchanger to the power supply terminal block for accessories of each of the monitors making up the installation (terminal block 10 in analogue monitors; terminal block 14 in digital monitors).

In the case of analogue monitors, another way of supplying power to the exchanger is by connecting its VCC terminal block to terminal block 14 of the installation power supply.

### GND TERMINAL BLOCK:

In the case of analogue monitors, connect the GND terminal block of the exchanger to terminal block 5F of the installation power supply.

In the case of digital installations, connect the GND terminal block of the exchanger to wire 2M of the digital bus.

Check the connection diagrams shown in figures 3 and 4.

## EXCHANGER CONNECTION DIAGRAM IN DIGITAL INSTALLATION

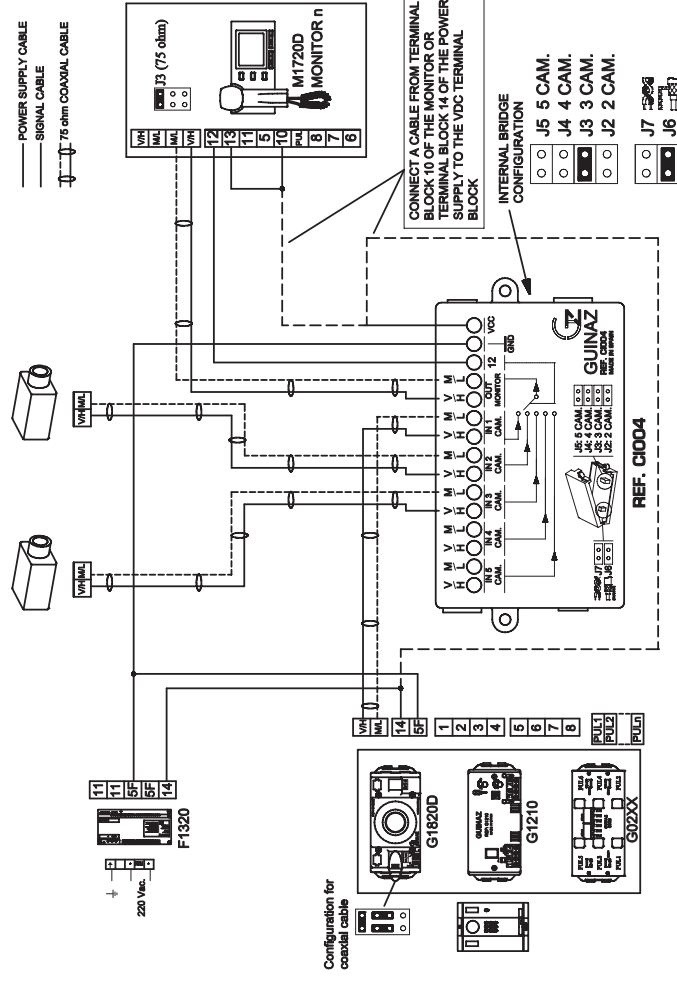


FIGURE 3. Example of connection in analogue installation with two additional cameras.