Operating instructions

EN

Video control device
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GIRA

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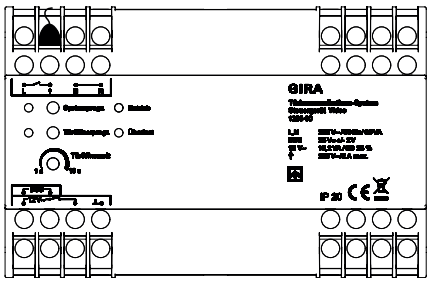

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Safety information

Electrical devices may only be installed and connected by a qualified electrician.

Serious injury, fire or damage to property possible. Read and observe these instructions completely.

These instructions are an integral component of the product and must remain with the end customer.

Intended use

- Provision of bus voltage (26 V DC ± 2 V) for the door communication system
- Control of up to 15 colour cameras (5 video door stations and 10 DCS camera gateways),
- Power supply of
  - up to 31 video devices (e.g. 28 home stations, 2 door stations with colour camera, 1 DCS switching actuator)
  - up to 70 audio devices
  - up to 2 colour cameras (more with additional power supply)
  - Call-button illumination (max. 15, the number of call-button illuminations that can be supplied with power depends on the system size and the number of home stations operated in parallel)
- Provision of the door opener control incl. power supply (12 V AC, 1,1 A) for the door opener.
- Activation of the entire door communication bus system's programming mode.
- Electronic overload, short-circuit and overtemperature protection.
- "Operation" LED indicator (mains voltage), overload/short circuit,
- Adjustable door opener activation time.

Assembly

For drip and splash-proof installation, mount the control device on a top-hat rail in the distributor.

The mains and bus connection is made using screw terminals.

The mains connection must be made using an all-pole mains switch with a contact opening of at least 3 mm.

The functional earth must be connected using a distributor block.

The control device's ventilation slits must not be obstructed.

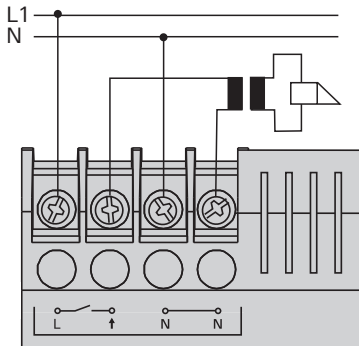
Electrical connections (Fig. 1)

L, N
Mains connection terminals L and N (AC 230 V, 50 Hz).

⊥ (Functional earth)
A functional earth is connected to this terminal for functional reasons.
Connect the earth potential to the earth terminal with a suitable line (not a green/yellow line).

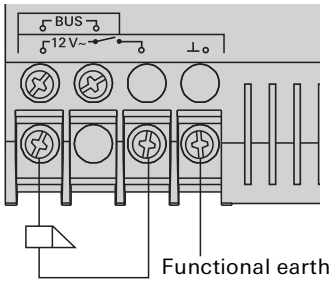
Bus
Power supply output of the Gira door communication bus with a regulated DC voltage (26 V DC ± 2 V, 700 mA).

↑ (Door opener output 230 V~/max. 2 A)
A door opener that **cannot** be connected to the "12 V~" terminals due to its electrical values (e.g. very low-ohm or 24 V) can be connected to the equipotential-bonding relay contact with an external power supply (230 V~, max. 2 A).



Remove blank plug
Before connection, remove the blank plug from the terminal ↑ .

12 V~ (door opener output 12 V~)
The 12 V~ output is used to supply power to and control the door opener (8–12 V, max. 1.1 A).



No permanent 12 V output
Power is not continuously supplied at the door opener output. The 12 V supply at the door opener output is only active for the door opener time specified on the setting controller.

Start-up

Door station – home station assignment

Control device
Press "System progr." button (3 s),
► "System progr." LED flashes.

↓

Door station
Press call buttons in teach-in sequence (WS1, WS2, WS3) (3 s),
until short tone = release button,
then long tone.

↓

Home station 1
Press "Light" button (3 s),
until short tone = release button,
then long tone = assignment OK.

↓

Home station 2
Press "Light" button (3 s),
until short tone = release button,
then long tone = assignment OK.

↓

Home station 3
Press "Light" button (3 s),
until short tone = release button,
then long tone = assignment OK.

↓

Control device
Press "System progr." button briefly,
► "System progr." LED off.

Door opener – door station assignment:

Control device
Press "System progr." button (3 s),
► "System progr." LED flashes.
Press "Door-opener progr." button (3 s),
► "Door-opener progr." LED flashes.

↓

Door station
Press any call button (3 s),
until short tone = release button,
then long tone = assignment OK.
► Door opener is activated.

↓

Control device
Press "Door-opener progr." button briefly.
► "Door-opener progr." LED off.
Press "System progr." button briefly,
► "System progr." LED off.

Further information

Further information on application scenarios, system limits, topologies, installation and start-up can be found in the "System basics for door communication"
in the Gira download area:

Operation

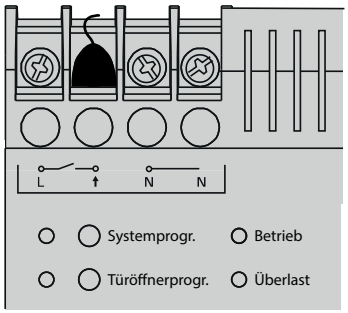
"System progr." button
If the "System progr." button is pressed for 3 s, the door communication system is switched to programming mode. The yellow LED next to the programming button flashes to indicate that programming mode is active.

"Door-opener progr." button
The "Door-opener progr." button has two functions:

1. Switch on door opener programming mode:
   If the "Door-opener progr." button is pressed for 3 s while the system is in programming mode, the door opener programming mode is activated.
   The yellow LED next to the "Door-opener progr." button flashes to indicate that door opener programming mode is active.
2. Operation of the connected door opener.
   Briefly pressing the "Door-opener progr." button activates the door opener for the set door opener time.
   The yellow LED next to the "Door-opener progr." button lights up during the switching time.

"Door-opener time" setting controller
The activation time of the door opener can be continuously adjusted using the "Door-opener time" setting controller. The adjustment time ranges from 1 s to 10 s. The potentiometer can be adjusted using a screwdriver with a 3 mm blade.

Indicators



"Operation" indicator
During fault-free normal operation, only the green "Operation" LED lights up. It signals that the device is being supplied with mains voltage.

"Overload" indicator
The video control device has electronic overload protection that protects the electronics of the control device against short circuits and overload on the bus line.The overload protection is activated if the bus line is short-circuited due to an installation error, for example, or if too many bus devices/bus loads have been connected.

The red "Overload" LED signals both a short circuit and an overload. The length of time the LED flashes corresponds to the time that the bus voltage is switched off in the event of an error. After the error has been corrected, the LED continues to flash for up to 5 s.

In case of a permanent overload (or short circuit), the bus voltage is switched off for approx. 180 s after the third overload is detected. During this switch-off phase, the "System progr.", "Door-opener progr." and "Overload" LEDs flash.
After the error has been corrected, the LEDs continue to flash for up to 180 s.

Technical data

Primary rated voltage:	AC 230 V, 50 Hz
Secondary rated voltage:	SELV 26 V DC ± 2 V
Secondary rated current:	700 mA Continuous load Overload cut-off from approx. 900 mA 1.15 A peak load (max. 5 s)
Protection type:	IP 20
Screw terminals:	0.6 mm ∅ to 2.5 mm^2
Door opener output:	12 V AC, 1.1 A (switched for the set door opener time)
Door opener time:	Can be set continuously 1 s to 10 s
Power-on time Door opener:	25% (max. 10 s ON, then 30 s OFF)
Operating temperature:	- 5 °C to + 45 °C
Dimensions:	8 MW DRA housing

Warranty

The warranty is provided by the retailer in accordance with the statutory requirements.

Please hand over or send faulty devices, postage exempt, and with a description of the problem to your supplier (retailer/installation company/electronics retailer).

They will forward the devices to the Gira Service Centre.