

6LE003335A

RED115X



Ⓜ Secondary 2-wire line coupler

Overview

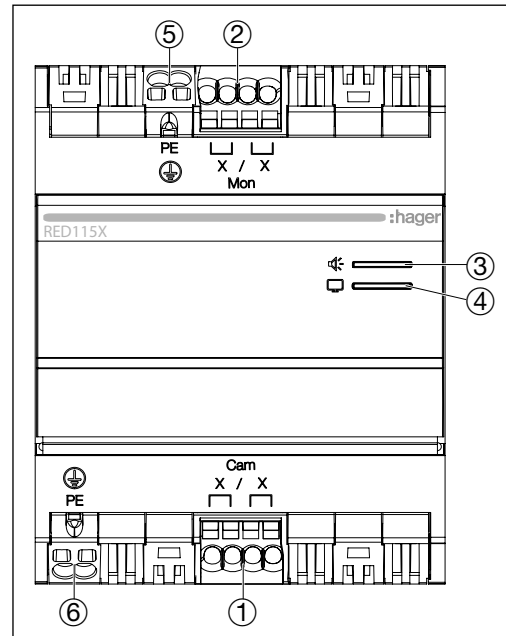


Figure 1: layout and design

- ① 2-wire bus input from outdoor (street) video plate
- ② Terminal for connection of one or more indoor video station(s)
- ③ Audio coupling LED (green)
- ④ Video coupling LED (red)
- ⑤ ⑥ Ground connection terminal

Safety instructions

The device must only be installed by a qualified electrician in accordance with the installation standards in force in your country. Do not install outside of the building.

Operation

The device makes it possible:

- To connect 32 indoor stations within a single installation,
- To call 3 indoor video stations simultaneously from a single button on the outdoor (street) plate.

Typical uses

- Coupler for audio and/or video installations.
- DIN rail mounting in accordance with DIN Standard EN 60715.
- Not compatible with intercom systems of other manufacturers.
- Suitable only for indoor installation with no moisture.

Product features

- Overload protection.
- All connections are fitted with spring terminals.
- Installations can use a maximum of 8 couplers in parallel with 32 indoor stations per line, making a total of 256 video indoor stations.

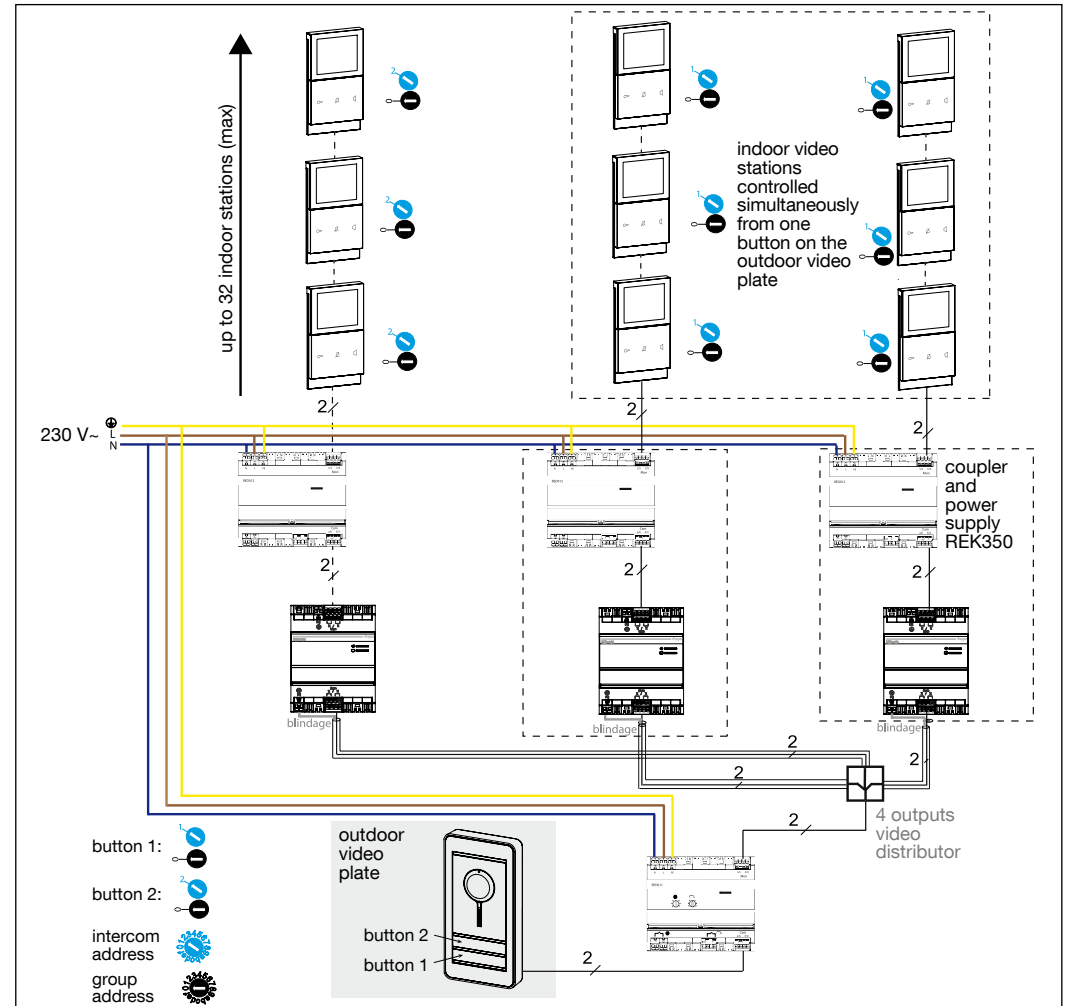


Figure 2: operation

Connection of the device

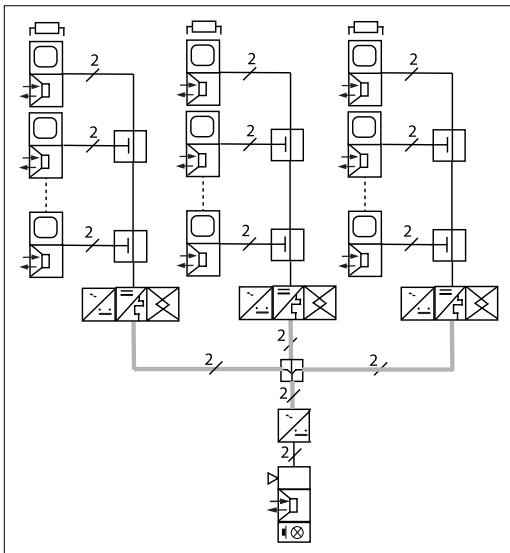


Figure 3: example of connection

Circuit symbols and elements of circuit diagrams

	Indoor station
	indoor video station
	2-wire DIN rail power supply for coupler
	Secondary line coupler
	Terminating resistor
	Twisted pair
	Push-button, contact NO
	12 V~ network transformer
	Video deflector
	4-way video distributor
	Outdoor (street) video plate
	Door release
	Storey push-button

Instructions for electricians

Mounting and electrical connection



- Risk of device damage.
- Fault voltages may arise due to live-line works.
- Disconnect the installation environment before any connection is made.

When some gate intercom systems are installed, it is advisable to follow the general safety instructions applicable to telecommunication equipment according to VDE 0800:

- Separate guidance of network and gate communication lines according to VDE 0800.
- Separation strips between network and gate intercom lines in ducts used jointly.
- Use of current telecommunication cables, e.g. J-Y (St) Y of 0.8 mm section.

Installation of the device

- Lock the device onto the DIN rail, in accordance with Standard DIN EN 60715. Connection of service voltage (2) should be on top.
- Heat is dissipated under operation. Check the maximum operating temperature. Provide adequate heat dissipation.

Technical specifications

	RED115 (rail-mounting)
2-wire bus supply voltage (X/X)	22 → 24 V ~
Typical 2-wire bus consumption	standby side MON 16 mA operation 60 mA max CAM side 16 mA
Operating temperature	+ 5 °C → + 40 °C
Storage temperature	- 20 °C → + 60 °C
Dimensions (L x H x W)	70 x 90 x 67 mm
Protection rating	IP20
Relative humidity	0-60% (with no condensation)
Impact resistance	IK04



Correct Disposal of this product (Electrical & Electronic Equipment Waste). (Applicable in the European Union and other European countries with separate collection systems). This marking shown on the product or its literature indicates that it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this device for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes of disposal.