

Product information

two-wire video receiver FVW1001-0600

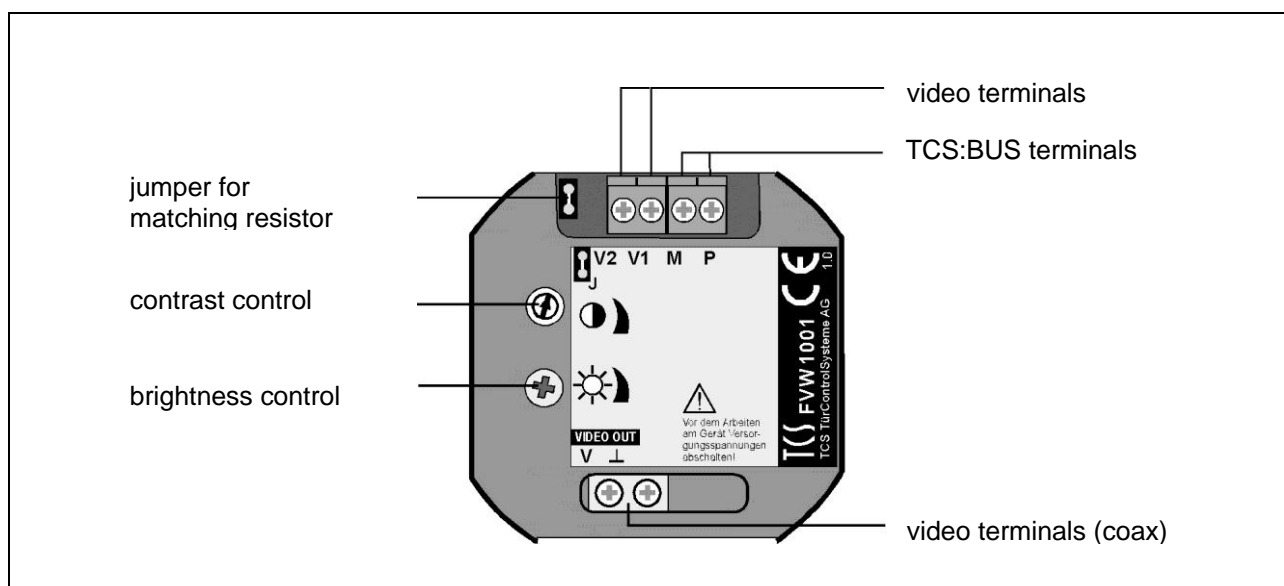
Safety notices



WARNING!

- When working on systems with 230 V AC mains voltage, the safety requirements of DIN VDE0100 must be observed.
- Assembly, installation and commissioning must only be carried out by a qualified electrician!
- The device must be used only in one gang boxes if VDE admitted devices are used.
- Disconnect the supply voltages before working on the device!

Device overview



Technical data

supply voltage:	24 V DC \pm 8 %
max. input current:	I(Pmax) = 25 mA
input impedance:	100 Ohm balanced
output impedance:	75 Ohm unbalanced
control range (video level):	- 1,5 dB to + 4 dB
insulation voltage V_{iso} between Coax signal and TCS:BUS:	100 V _{rms}
acceptable ambient temperature:	- 20 bis + 40 °C
housing:	plastics
dimensions:	52 x 52 x 23 mm
weight:	27 g

Intended use

The 2-wire video receiver is used to convert a 2-wire video signal from a TCS system into a (F)BAS signal. At the output of the FVW1001, standard video devices with input F(BAS) at 75 Ohm unbalanced can be connected (AV input, videoline input etc.).

Short description

The FVW1001 converts an incoming 2-wire video signal (symmetric) into an asymmetric FBAS signal with 75 Ohm line impedance. The coaxial output is galvanically isolated from the TCS:BUS.

Installation

Line cross-sections for connecting lines

The following lines can be connected to the terminals:

terminals	line cross section	line diameter
video terminals, TCS:BUS terminals, video terminals (coax)	0.5 ... 1.5 mm ²	0.8 ... 1.4 mm

Prepare and connect the connecting line for video device

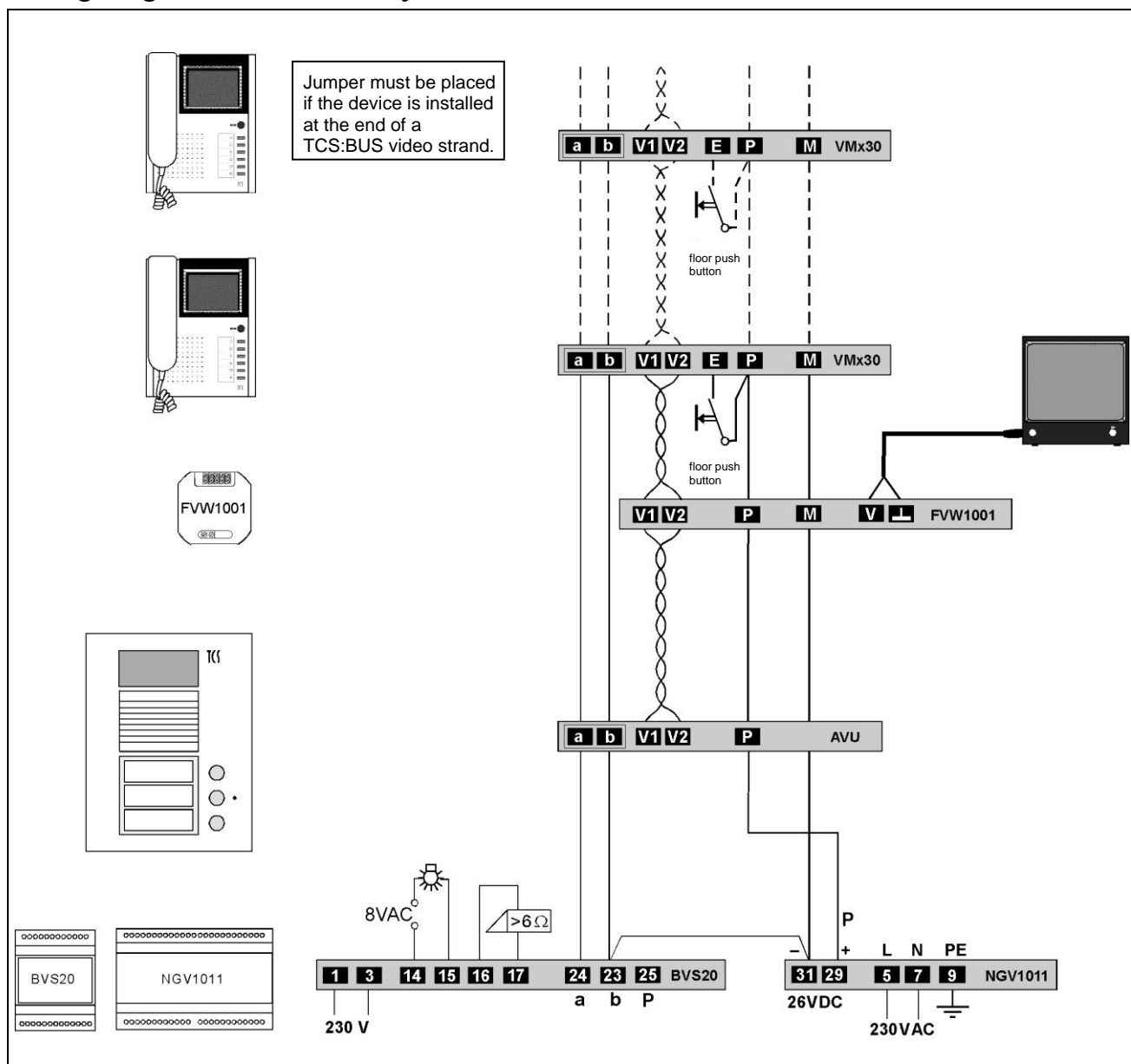
- Cut off one of the plugs. Insulate the inner conductor and shielding.
- Twist the shielding of the coax cable.
- Attention: Only use 75 Ohm cable (RG59 or RG179) as coax cable.
Tin-plate the twisted shielding or use a cable-end sleeve.
- Connect inner conductor and shielding:
 - inner conductor to terminal V,
 - outer conductor to terminal \perp .

Please observe

! When the device is installed outdoors, it must be protected against water entering the device by appropriate measures.

! When working on the device, the supply voltage must be switched off!

! Only if the device is installed as last device at the end of a TCS:BUS video strand, a jumper for matching resistor must be placed. Otherwise the jumper is to be removed.

Wiring diagram 6-wire video system

Settings

Adjust the image quality

A poor image quality due to conduction loss can be improved by increasing the video signal at the device.

1. Adjust the contrast control until the required color and contrast is set.
2. Adjust the brightness control until the required brightness is set.
3. If necessary, repeat steps 1. and 2. until the image quality is good.

Service

Please send your inquiries to
hotline@tcsag.de

Headquarters

TCS TürControlSysteme AG, Geschwister-Scholl-Str. 7, 39307 Genthin
Phone: +49 (0) 3933/879910, FAX: +49 (0) 3933/879911, www.tcsag.de