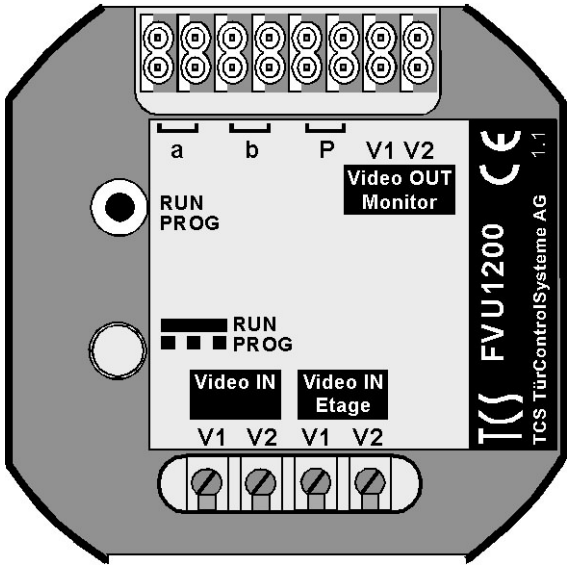
Product information

Floor video switch

FVU1200



TCS TürControlSysteme AG • Geschwister-Scholl-Str. 7 • 39307 Genthin
Phone: +49 39 33 / 87 99 10 • Fax: +49 39 33 / 87 99 11 • www.tcs-germany.com

Subject to change without notice.
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Safety notices

! Assembly, installation, and commissioning must only be carried out by a qualified electrician!

For work on systems with 230 V AC mains voltage the safety requirements of DIN VDE 0100 must be observed.

When installing TCS:BUS systems the general safety rules for telecommunication systems in accordance with VDE 0800 must be observed:

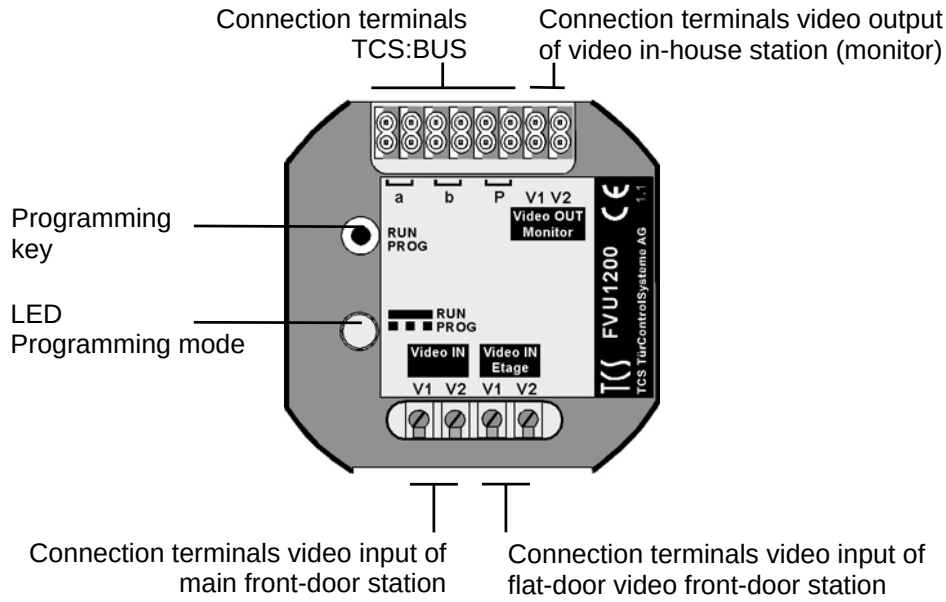
- separate cabling for high and low voltage lines,
- minimum distance of 10 cm for joint cabling arrangements,
- use of separators between high and low voltage lines in joint cable ducts,
- use of standard telecommunication cables, e. g. J-Y (St) Y with 0.8 mm² cross section,
- existing cables (modernization) with different cross sections may be used whilst taking account of the loop resistance.

! Suitable lightning protection must ensure that a voltage of 32 V DC will not be exceeded at the TCS:BUS wires a and b.

Scope of delivery

1 x FVU1200
1 x product information

Device overview



Technical data

Supply voltage:	+24 V ± 8 % (via power supply and control unit)
Case:	built-in case
Dimensions (in mm):	H 52 x W 52 x D 23
Weight	35 g
Admissible ambient temperature:	- 20 °C ... + 50 °C
Input current 3-wire:	I(a) = 0.4 mA, I(P) = 0.4 mA passive I(Pmax) = 9 mA active

Application

- The FVU1200 is designed to switch between two video signals for one video in-house station (monitor). It was specially designed to switch to a flat-door video front-door station. One FVU1200 is required for each flat (with a monitor).
- In the basic mode the signal from the main front-door station is switched to the video in-house station (e. g. front-door station at main entrance). The signal from the flat-door video front-door station is switched to the video in-house station when
  - a front-door call arrives from the flat-door video front-door station,
  - the image switch button at the video in-house station is operated.
- The device is suitable for installation in a one gang box behind the front-door station or directly in the flush-mounted installation box of the flush-mounted front-door station.

! The FVU1200 must always be connected to the video input of the main front-door station via a video distributor (e. g. VT02-EB or VT04).

Brief description

Basic functions

Number of inputs	2
Number of outputs	1
Basic mode	The signal from the main front-door station is switched to the video in-house station (e. g. front-door station at main entrance).
Switching	The signal from the flat-door video front-door station is switched to the video in-house station when • a front-door call arrives from the flat-door video front-door station, • the image switch button at the video in-house station is operated. • the handset is picked up after the signal has been switched off following a front-door call from the flat-door video front-door station (e. g. because of a front-door call to a different front-door station within the system).
Automatic switch-back to basic mode	• the communication is terminated at the video in-house station (e. g. put down the handset), • the image switch button is operated again at the video in-house station • after max. 4 min. (limited by internal timer)

Additional functions

Manual programming	to store the AS address for flat-door video front-door station and serial number of monitor

Cable connection

Cable cross sections for the connecting cables

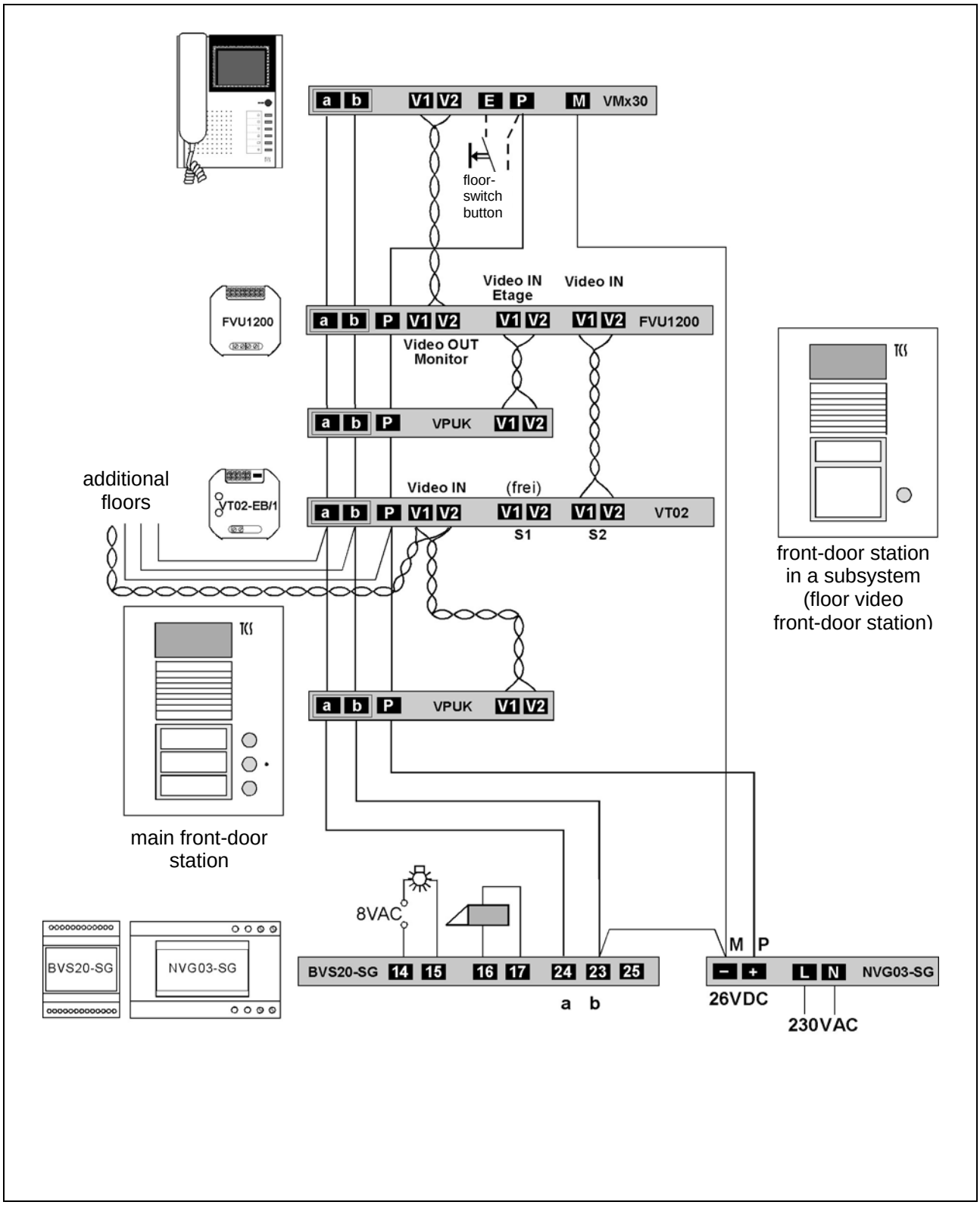
Terminals	Cable cross section	Cable diameters
Connection terminals video output *, Connection terminals TCS:BUS *	0.12 ... 0.5 mm^2	0.4 ... 0.8 mm
Connection terminals video input 1 and 2	0.5 ... 1.5 mm^2	0.8 ... 1.4 mm

**available 2x per wire*

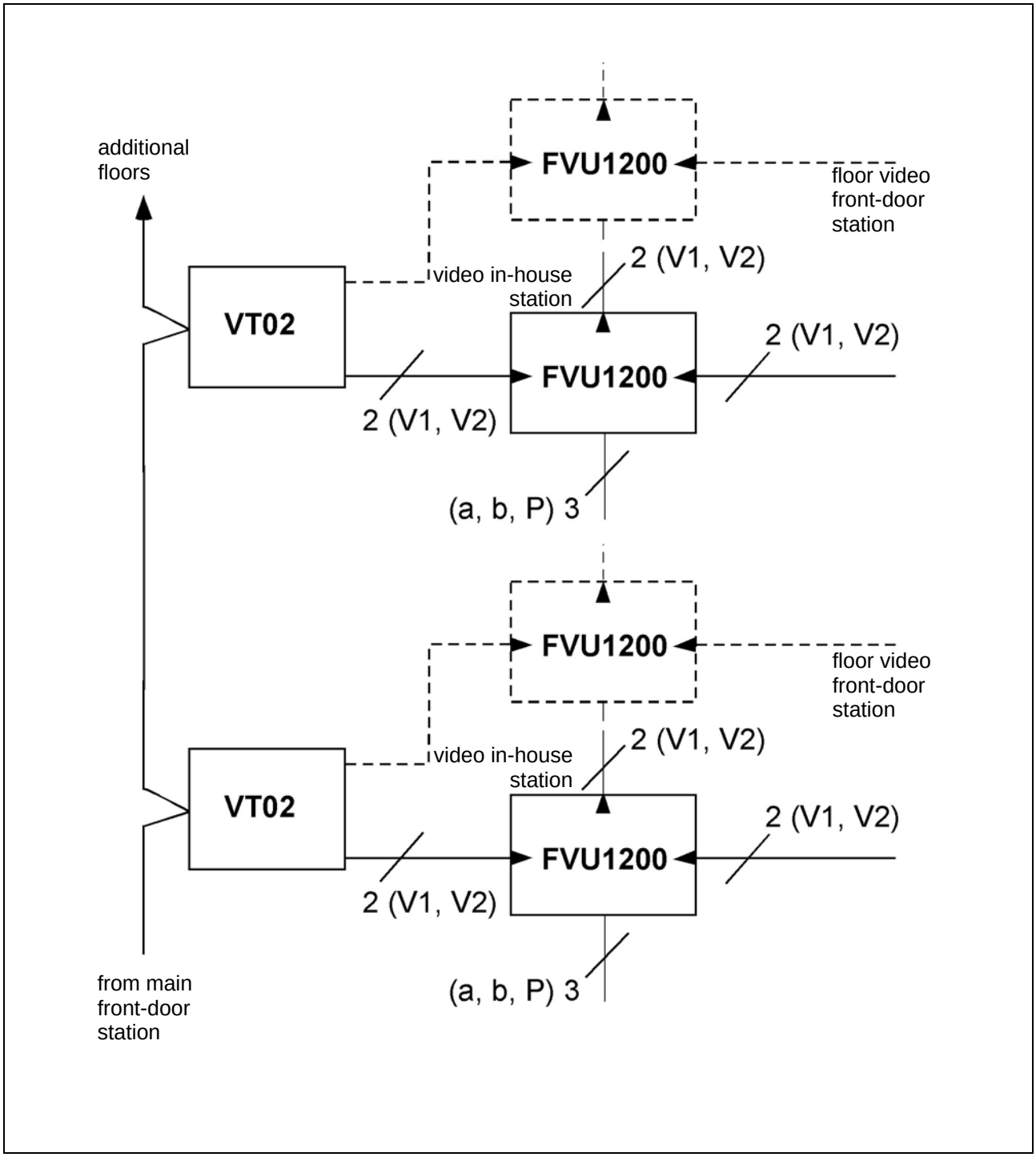
To be noted during connection

! Disconnect the supply voltages before working on the device!

Wiring example



Connection diagram



Commissioning

! ⚠ First fully install the system, then connect power!

- V1 and V2 must never - not even temporarily - be connected to the P, a or b wires. Such a connection would destroy the device.
- When connecting the video wires V1 (+) and V2 (-) the polarity must be observed. If the image is distorted after commissioning, switch off the device and replace the wires for the video signal.

Programming the AS address and serial number

For the video signal from the flat-door video front-door station to be switched to the video in-house station, the AS address of the flat-door video front-door station and the serial number of the video in-house station must be stored on the FVU1200.

Manual programming

- Briefly press the programming key. The LED starts flashing.
- Ring the bell at the flat-door video front-door station.
- Briefly press the programming key again. The LED goes out. The AS address of the flat-door video front-door station and the serial number of the video in-house station will be stored.

Programming with the TCSK-01 (from TCSK software version 2.3)

✳ 63 # Ser.-Nr. # TelSNr # AS #	Ser.-Nr. = the serial number of the FVU1200 TelSNr. = the serial number of the video in-house station AS = AS address of the flat-door video front-door station (value 0 ... 63)

! **Note**: Once the FVU1200 has been configured using the TCSK-01, the TCSK-01 automatically sets a programming lock. Subsequent modifications can only be made using the TCSK-01.

Service

Contact your local sales representative or

www.tcs-germany.com