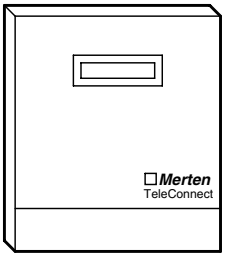
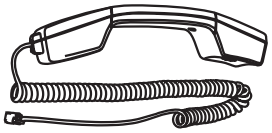
TeleConnect



Colour	Article no.
polar white	680732

Handset for TeleConnect



Colour	Article no.
anthracite	660790

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1. Function

The telephone network is linked to INSTABUS installations with TeleConnect. 4 conventional loads and 6 INSTABUS functions are controlled via a conventional DTMF telephone or via a DTMF hand-held transmitter. The states of the loads and device functions can be queried through speech output. The corresponding text can be modified with the handset (art. no. 660790). The device states are indicated on an LC display in parallel with the speech output.

A four-digit code protects the device against unauthorised access. There is also the possibility of programming an alarm function. In the event of an alarm, up to three telephone numbers are dialled in succession. If an alarm is not acknowledged, an alarm output is set on the device. An alarm can be acknowledged on the device via an external or internal push-button. Four conventional alarm inputs and two INSTABUS signal inputs trigger the alarm. The following functions can be set in the device via the four buttons:

- Number of calls to activate the TC
- Three telephone numbers
- A personal code
- The dialling process (IWV/DTMF)
- The personal announcements can be stored in the device. 3 seconds are available to record each segment of text.

The following additional functions are available from version 5 onwards:

- Number of dialling attempts
- Setting the language of the display messages
- Behaviour on power failure
- Answerphone mode

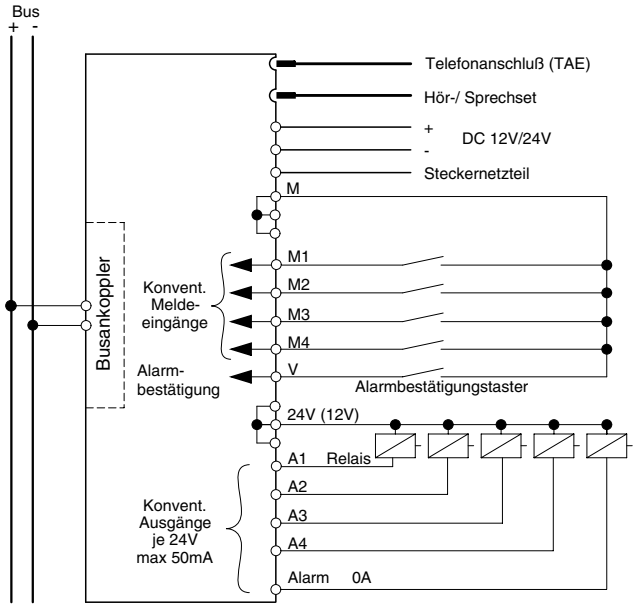
2. Installation

The INSTABUS TeleConnect is supplied in a plastic housing and is suitable for surface mounting. The device must be mounted in dry rooms with ambient temperatures between -5 C and +45 C and in the vicinity of the telephone socket-outlet. There must be a socket-outlet within a radius of 1.6 m for the plug-in power supply unit provided. The device can also be connected directly to an external DC 12 V/DC 24 V power supply (e.g. battery operation) without the plug-in power supply unit. After removing the cover, the device can simply be fixed using screws. The bus coupler is already integrated in the device and is connected via a bus connecting terminal.

The following cables can be connected to the device:

- Mains voltage AC 230 V via plug-in power supply unit
- 2 x screw terminals for external DC 12/24 V power supply
- 1 x plug for telephone socket-outlet TAE
- 1 x socket for handset (article no. 660790)
- 6 x screw terminals for connection from an ancillary system
- 7 x screw terminals for 4 floating conventional signal inputs and external alarm acknowledgement button
- 8 x screw terminals for 5 outputs (four conv. outputs and an alarm output), each with 24 V and 50 mA (short-circuit-proof)
- two 1 mm pins for INSTABUS bus connecting terminal

Circuit diagram



3. Technical Data

Power supply	
Input voltage:	AC 230 V, 50-60 Hz via plug-in power supply unit or DC 12/24 V directly
Power consumption:	approx.4.2 W with plug-in power supply unit and approx. 0.6 W with external DC 12 V supply in open circuit
Connections	
Power supply:	Supply voltage from plug-in power supply unit: 2 x screw terminals for external DC 12/24 V supply
INSTABUS:	via two 1 mm pins for bus connecting terminal
Telephone:	Plug for telephone socket-outlet TAE, socket "N"
Handset:	4-pinRJ socket
Ancillary system:	6 x screw terminals
Signal inputs:	7 x screw terminals for 4 conventional floating contacts and alarm acknowledgement button
Outputs:	8 x screw terminals for 5 outputs with 24 V and 50 mA each (short-circuit-proof)
Length of mains cable:	1.6 m
Length of telephone cable:	3 m
Display elements:	LC display for basic setting and alarm acknowledgement with two-line, 16-digit, alphanumeric LCD field Red LED for checking the bus voltage and for entering the phys. address
Operating elements:	Programming button 4 buttons for programming the device functions Alarm acknowledgement button
Ambient temperature	
Operation:	-5 C to +45 C
Storage:	-25 C to +55 C
Transport:	-25 C to +70 C
Type of protection:	IP 20
EC guidelines:	corresponds to low voltage guideline 73/23/EEC; corresponds to EMC guideline 89/336/EEC
Dimensions:	187x215x47 mm (LxWxH)
Hole spacing for surface mounting:	175 mm

Weight:	570 g
Approval from the Federal Office for Telecommunications:	BZT A11617GE

4. Settings in the EIB Tool Software (ETS)

Selection in the product database

Manufacturer:	Merten	
Product family:	1.3	Interfaces/gateways
Product type:	1.3.06	TeleConnect
Media type:	Twisted Pair	
Product name:	TeleConnect	
Order number:	680732	

5. Application overview

The following applications can be selected:

Application	Vers.	Function
TeleConnect 7303/1	3	This application enables the group addresses of the outputs and alarm inputs, which are used by the TeleConnect, to be linked with the communication objects.
TeleConnect 7301	1	This application should no longer be used.