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Ref.-No.

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**KNX Telecontrol interface TC Plus**

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**wall mounted**

**2601**

ETS-product family:

Communication

Product type:

Modem

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The TC Plus is being offered in different types (analog, ISDN, GSM) with and without KNX module. These operating constructions apply to all types.

The TC Plus is an alarming and remote switching device by which up to 6 conventional devices can be switched via telephone. All settings will be saved in case of a power failure – **except for time and date**. The behaviour of the outputs in case of a power failure can be set (after return of the power voltage: ON, OFF or restoring the switching state before the power failure).

Conventional relays or current-impulse switches can be connected to the switching outputs.

Furthermore, the TC Plus is sending messages to selected participants (cf. phone numbers). These messages are activated by up to 6 contacts (series) which are connected to the alarm inputs (N1 to N6). At each of the inputs break or make contacts can be installed.

Additionally, when connected to KNX, up to twenty communications objects can be controlled and up to 6 alarms can be processed.

Should given messages – send off by the alarm inputs M1 to M6 or by KNX – not be confirmed, a local alarm output will be switched.

The controlling will either be performed with a DTMF telephone (DTMF = Dual-tone multi-frequency) or with a DTMF pocket dialer (optional).

In case of an answering machine being used at an analog connection (AB mode), either the answering machine or the TC Plus can be addressed.

Individual user data are easy to program.

The TC Plus is operated by turnkey. Operation is supported by plain texts on a 20 character 4 line alphanumeric LCD field and also by announcements. The user can choose among 6 display languages for the messages.

The respective software is enclosed in the scope of delivery and supports comfortable configuration. The PC must have a serial interface.

Messages are transferred exactly to the selected participants by announcements, SMS, e-mail, or fax. The number of dial attempts (0 to 12) can be set.

The announcements can be individually recorded by the user. In order to do this, the handset (optional) with the 4-way RJ connector has to be inserted in the socket.

The device comes with a CD-ROM which includes the configuration software, an animation, the operation manual as well as the data base.

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### Technical data

#### Supply of KNX

<b>Voltage:</b>	21 ... 32 V DC (SELV)
<b>Power consumption:</b>	max. 150 mW
<b>Connection:</b>	screw terminals

#### External supply (plug power supply)

<b>Voltage input:</b>	100 – 240 V AC; 50 / 60 Hz
<b>Voltage output:</b>	12 V DC, 1.25 A
<b>Length of power supply cord:</b>	2 m

#### Response to voltage failure

<b>Bus voltage and/or mains voltage:</b>	device is not working, KNX settings are saved, date and time are deleted
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#### Response on reactivation

<b>Bus voltage and/or mains voltage:</b>	parameter-dependent, conditions of outputs (conventional and KNX) can be parameterized
<b>Bus and mains voltage:</b>	no communication with KNX

#### Input

<b>Number:</b>	6 conventional potential free contacts (terminal M1 – M6)
<b>Connection:</b>	screw terminals

#### Output

<b>Number of outputs:</b>	6 (terminal A1 – A6), conventional 1 local alarm output (terminal A0)
<b>Switching voltage:</b>	12 V DC, 100 mA
<b>Max. switching current:</b>	total max. rating of all outputs max. 700 mA, short circuit proof and surged with 200 mA
<b>Connection:</b>	screw terminals

<b>Protection:</b>	IP 30
<b>Dimensions:</b>	L x W x H (251 x 204 x 49 mm)
<b>Weight:</b>	700 g
<b>Colour:</b>	RAL 7035, light grey (material ABS)
<b>Operation temperature:</b>	-5°C ... +45°C
<b>Max. operational temperature:</b>	-5 °C to 45°

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### Description of software application

- Works as an additional device like an answering machine.
- The TC Plus is mainly developed for an analog telephone network. Optional it can be used also via an analog port of an ISDN unit.
- A special version for GSM is also available on request.
- All announcements / instructions are individually recorded.
- Access protection by a code number with 4 digits.
- A total status recall is possible.
- Control of up to 10 KNX functions whereby three different data formats can be selected: 1 bit, 1 byte and 2 byte.
- For the alarm inputs and the KNX inputs the contacts can be defined.
- Up to 4 destinations to each input can be defined.
- The TC Plus can be programmed by turnkey and the display, however the more comfortable method is by using the PC software tool (various languages available).
- Display messages can be adjusted to German, English, French, Spanish, Italian or Dutch.
- Provider selection for the transmission of SMS or e-mail (subject of corresponding country).
- Up to 20 alarm messages can be stored in an alarm buffer.