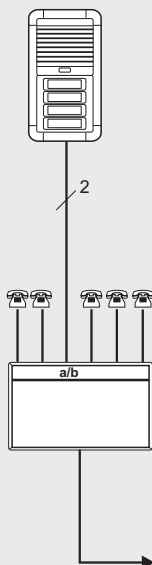


## Operating instructions manual

# TLT 06

Door-telephone speech unit

The Door-telephone speech unit for connection to a PABX telephone system



The TLT 06 is available as an individual module or as a complete door station with up to max. 6 buttons. It is attached to a PABX telephone system and permits a speech connection between telephone's and the TLT 06 door station.

Nearly every PABX telephone system with an analogue extension can be used. The voltage supply of the TLT 06 unit is provided from the PABX telephone system.

### Function

After activating a button ( *min. 0.5 sec.* ) the memorized phone-No. will be dialled with MFV \*. After lifting of the called apparatus there is speech connection. If nobody reports at the extension to be called, the TLT 06 goes offline after some call cycles. In case of the apparatus being occupied, the busy tone recognition also puts the device offline..

A conversation built up is kept upright for at most 1.5 min.. A beep tone sounds 10 sec. before expiry of this time and one can respectively extend the conversation time by pressing ( # ) by 30 sec.. During a connection you can press the button combination ( 00 ) which can switch an electrical Door-opener if used. The access to the electrical Door-key can be protected by a pin Number if necessary ( see programming ).

The electrical Door-opener must have a separate power supply. The TLT 06 has an integrated electrical power switch. The Door-opener power switch is activated for 3 sec. by dialing ( 00 ). After a further 5 sec. the TLT 06 interrupts the conversation and goes independantly offline.

### Installation

The TLT 06 **must** only be installed in a voltage free condition.

The TLT 06 *individual* module must be firstly fitted into the modular mounting-frame, post-box or pillar-box. The individual buttons can then be wired to the module. The complete TLT 06/... Door stations are partly prewired ex works.

The connection cable between the TLT 06 and the buttons goes from the terminal header ⑦ to the appropriate buttons. Pay attention to the polarity of the ribbon cable. the common core is marked with a coloured stripe.

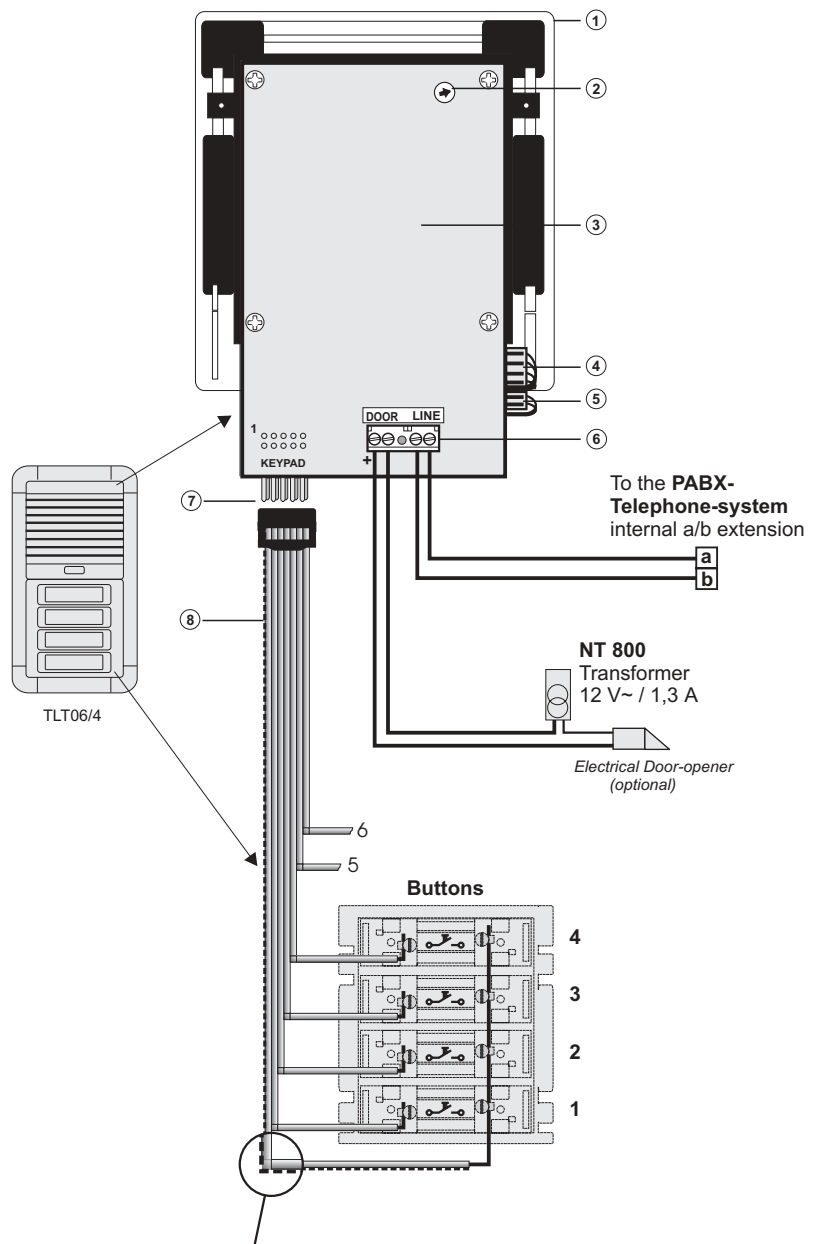
The common core of the ribbon cable is marked in colour for better identification.

**Under no circumstance is it permitted to apply an external voltage to the button matrix !**

Finally the a/b terminal of the TLT 06 should be connected to the PABX telephone system. After the initial installation the capacitors on the pcb must be charged before the device can correctly function. This process can take upto max. 3 min. and is dependent on the used PABX telephone system. After this initializing period the individual buttons can be programmed. The red LED in the Speaker louvre shows when the device is online and connected to the PABX telephone system.

- ① Speaker louvre
- ② Speaker Volume adjustment
- ③ Circuitboard TLT 06
- ④ Connector speaker/mic. with occupied LED
- ⑤
- ⑥ Connection  
LINE = a/b extension  
DOOR = Door-opener switch
- ⑦ Connection Buttons
- ⑧ Ribbon cable  
**pay attention to polarity!**  
The common core is marked

### Rear view



### Attention!

- pay attention to the polarity, the common core is marked with a coloured stripe.
- Do not apply any external voltage.
- Ribbon cable must not be extended.

\* The delivery condition is preset to MFV dialling (Jp1).  
If pulse dialling is required, the jumper (JP1) must be removed on the rear side of the circuit board.

**PROGRAMMING**

For programming and control function a standard telephone with the usual 12 buttons ( 0...9, \*, # ) und ( **MFV** ) dialing is necessary. Access to the programming mode is only possible for authorized persons by use of a PIN -Number (Personal Identification Number). There are 6 memories available each of which can memorize upto 32 digits( N1, N2...) or special signs. The memories are assigned to the appropriate buttons ( see connection diagramm ).

As soon as a speech connection to the TLT 06 is built up, the electronic power switch can be activated by dialing ( 00 ) or a **PIN**-Code.

For safety against unauthorized intervention, the entrance to the programming mode is protected by a PIN-code.

Special signs, depending on the operation can also be memorized together with the telephone number.

example *getting an external line:*

with **"Flash"**

with **"0"**

The memorized telephone numbers and settings are saved in a non volatile memory. This prevents the loss of data by a voltage failure.

**Entrance to Programming mode**



Lift the Handset of any telephone on the PABX.



Dial the Internal extension number of the TLT 06 and wait until aconnection is built up.



Dial (\*) Pin-Code (\*)  
Default setting ex works is: **2 2 2 2**

**Memorizing telephone number's**

Programm memory No. 1 with a telephone number

Programm memory No. 2 with a telephone number

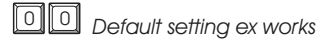
Programm memory No. 3 with a telephone number

etc. up to memory No. 6 ( when used )



**Electrical Door-opener**

with

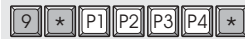


Or



**Changing the PIN-Code (Optional)**

Enter new PIN-Code.  
P1 - P4 are four digits from 1 - 9 via the keypad



**Special function keys (Optional)**

Will be dialled:

#

\*

Flash (R)

Break



**Finalize Programming**



Replace the handset ( on-hook )



The behavior of the TLT 06 after putting the telephone on-hook can vary and is dependent on the used PABX telephone system. If the period of the receipt tones seems to be too long, the following short-cut can help. Instead of just putting the telephone on-hook press the star (\*) button of the keypad first and then put the telephone on-hook. A receipt tone sounds as a hand shake of this and approx. 5 secs. after this 4 beep tones, then the TLT 06 goes automatically offline. Normally this procedure is not necessary and the TLT 06 beeps about 3-4 times during busytone detection and then goes offline without any further action.

**TONE's and SIGNALIZING :**

Occupied ( PABX ) : .... Is dependent on the used PABX telephone system.

Extension occupied: .... Extension occupied / busy-tone detection

Hand-shake tone: .... Hand-shake tone and during Programming.

Error tone: .... Signals a Programm error, wrong PIN-code or after 5 sec. by the use of the Star (\*) button for fast Speech disconnection.

## ...Example

Here is a practice example to demonstrate how the programming functions.

The situation is assumed as follows:

The TLT 06 is connected to the internal extension number 224 of a PABX telephone system. From the TLT 06 Door station 3 separate internal offices and one external Line\* office can be called.

Button No. 1:	office A	231
Button No. 2:	office B	232
Button No. 3:	office C	233



Lift the Handset of any telephone on the PABX.

Dial the Internal extension number of the TLT 06 **224** and wait until a connection is built up.

Dial (\*) Pin-Code (\*)  
*Default setting ex works is:* **2 2 2 2**

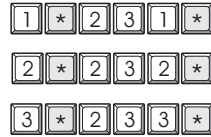


### Memorizing telephone number's

Programm memory No. 1 with telephone No. **231**

Programm memory No. 2 with telephone No. **232**

Programm memory No. 3 with telephone No. **233**



The Door-opener should be operated with the default setting "00".

### Electrical Door-opener with



### Finalize Programming



Replace the handset ( on-hook )



### Technical Data :

Operating Temperatur	- 25 to + 50 °C
Extension voltage (a/b)	10 - 48 V
Extension current (a/b)	15 - 60 mA
Idle current	< 60 µA
Ring voltage	27 Vpp, ± 20% max. 90 Vpp, 20...60 Hz
Tone dialing / MFV	100 ms / 100 ms
Pulse dialing / IWV	40 / 60 ms
Door opener switch	max. 24 V / 1,5 A AC / DC
Number of memories	6
Memory capacity	max. 32 digits for each memory

\* The TLT06 is only permitted to be connected to the external State Line through the use of a PABX telephone system with an electrical couple field.

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