Wiring diagram1

parallel operating of 2 x HT3033

ET

BUS

Use correct polarity at individual App. pushbutton

ET

BUS

BUS

Doorstrike button

Light button

Function button with LED for adjusting the volume of the doorbell and selecting the doorbell signal.

12V~/ 1A *max* Tö

12V~

BUS

TSMB3

RTMB

TSMB3-AM

IN

OUT

RTMB-AM

Alternativly you also can connect the doorstrike dirctly at the SP333 by putting the DIP-Switch 3 at 'OFF' position.

Once you press the Lightbutton at the doorstation you will have 12 VAC output for 2 sec at the Terminals (LT1 at SP333).

Once you press the Lightbutton at the handset you will have 12 VAC output for 2 sec at the Terminals (LT2 at SP333).

BUS   TÖ1   LT2   LT1

HT   Tür

12V~

NG333   SP333

230V~/50Hz

Haustelefon HT3033

HT3033

door opener
button (to)

Light button
(lt)

Function button with LED for
adjustment of volume for
ring tone and selecting the ring tone.
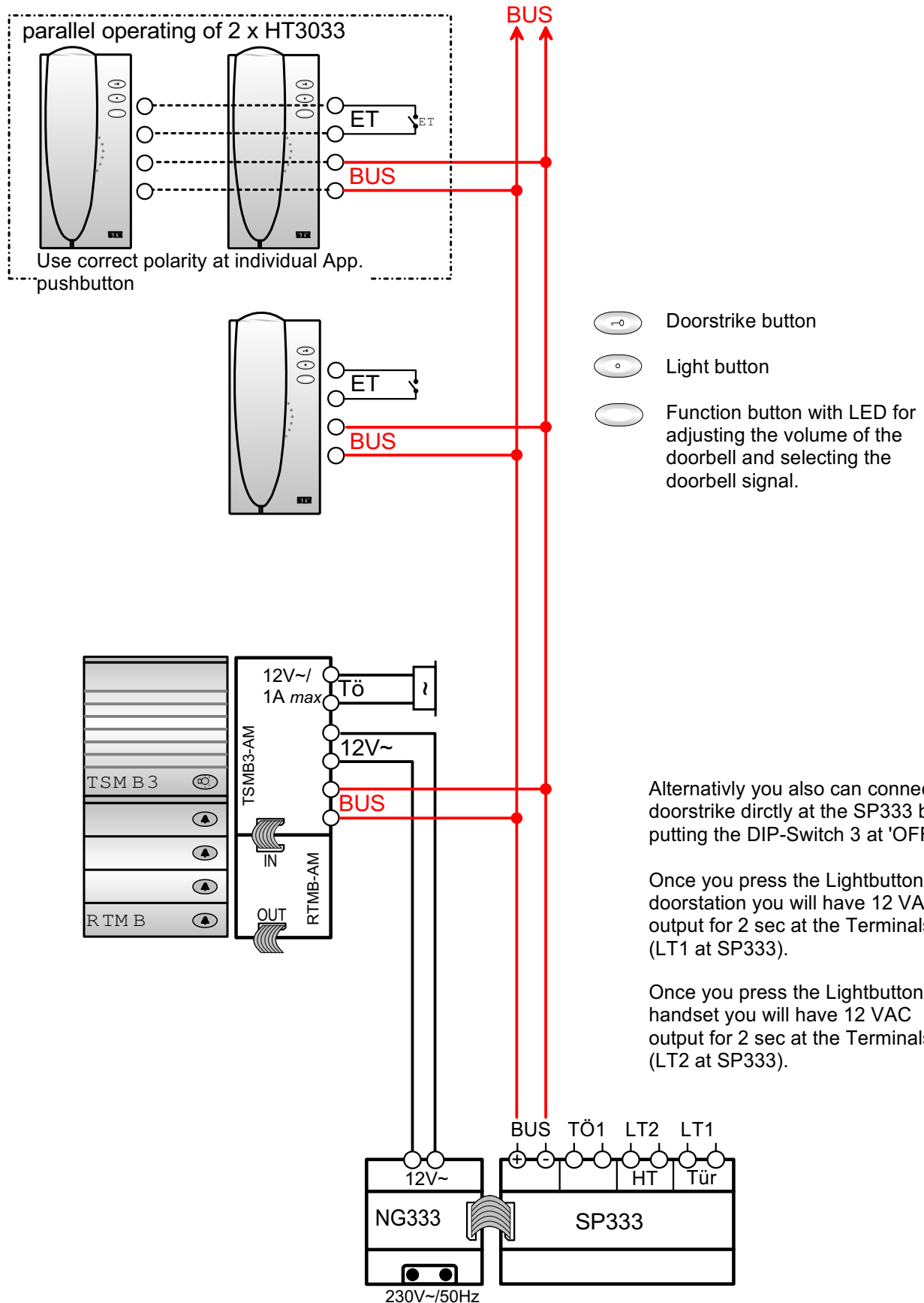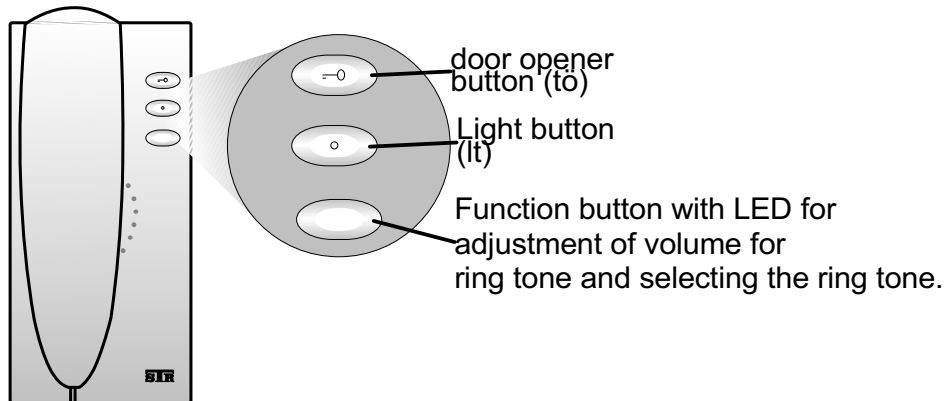
To get communication
When someone rings the ooorbell and you lift the handset,
you can communicate to the front entrance.

How to change the bell-tone from front entrance.
Every handset can individual choose the door bell signal out of
8 diferent ones.

change of bell-tone volume
the volume of main entrance and the in. appt. bell can be adjust
while you keep pressing the function button, the volume will become
low untill mute and high to the top level, important is that the
handset is hang up.
   (Make sure that The handset has not be called just before),
   if it has been called, hang up the handset (so that the communication
   is stopped) and lift it again.

If you have to replace handset by new one:
The new handset has to be programed as show at prgraming
tsmb3 or tt33 speker unit´s .

If you like to have handset´s in Parallel:
You can have upto 4 handset´s in parall.
Shown at how to Programing parallel handset´s.

You can program upto 4 Handset´s of model HT3033 to each appt. push button
(KTx: HT1==HT2==HT3==HT4).
While you hit the push button 2 handset will ring at the same time, the other two
will start ringing once the first ones will stop, due to power limitation.
☞ during the programing the dip switch 2 must be set at *'on' position!*

programing samle : 4 handset in parallel (HT1==HT2==HT3==HT4):

programmierversion 1:   by useing individual appt. button

1. dip-switch 1 at doorstation in 'ON' position   **programingmode**.
2. Press for short time Individual appt. button of the first HT1.
   (You will hear one single tone at the entrance doorpanel.)
3. Press for short time the button at doorstation, which belongs to the HT1.
   (You will hear four single tones at the entrance doorpanel.)
4. again press for short time Individual appt. button.
   (You will heat one single tone at the entrance doorstation.)
 a. TSMB3: Keep pressing the Lightbutton and once again press the
    pushbutton at entrance panel which belongs to the appt. and than
    take your fingers off.
 b. TT33: Set the Dip switch 2 to "ON" position and press the push-button
     at the doorstation once again for short time.
5. Step 4. For the handset 3 and 4, repeat the same, (if you have just 2
    handset forget this step).
6. A a the end make sure that you put dip-switch 1and 2 back in to
   'Off' POSITION. **normal-mode.**

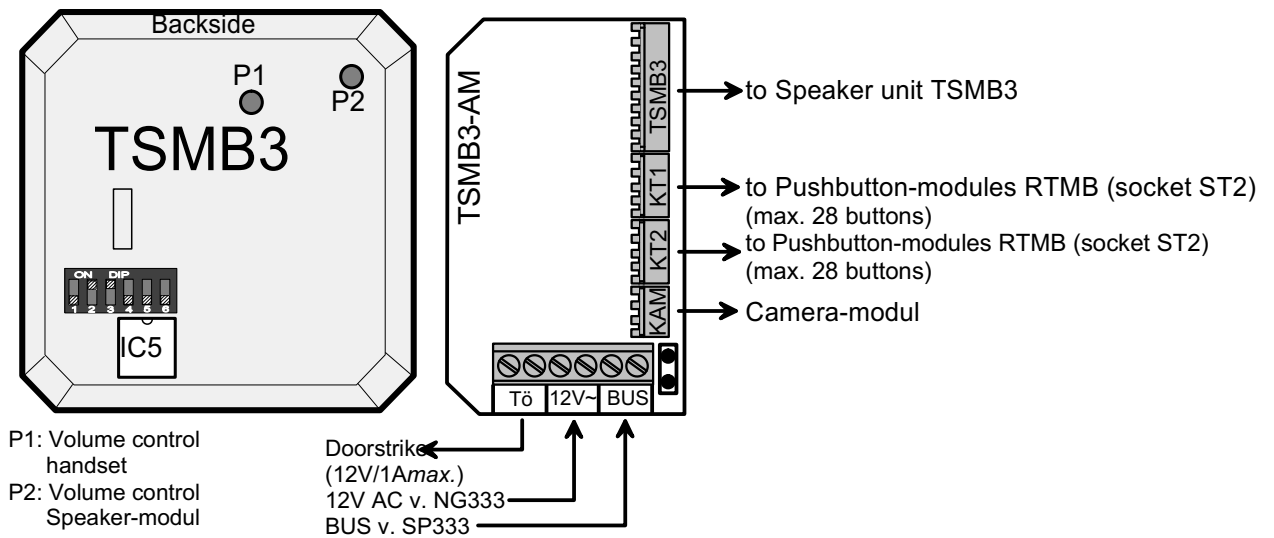## version 2:   by communication

1. **Set** dip-switch 1 at doorstation to 'ON' position **programming mode**.
2. Lift the handset. Now you can talk to the doorstation.
3. Press the push button who belongs to the handset (appartment).
    You will hear 4 short tones at the doorstation.
4. Hang the handset back to the phone.
5. Lift the second handset which has to be progammed in parallel.
    Now you can talk to the doorstation.
 a. tsmb3: Keep pressing the light-button and press the button at doorstation.
        than take both fingers off the two buttons.
 b. TT33: Set dip-switch 2 to 'on' position and press the button of the
        doorstation which belongs to this handset (appt).
6. Repeat programming step 5. for parallel handset 3 and 4. (if you have
    only 2 handset in parallel forget this step).
7. At the end make sure that you put dip-switch 1 and 2 at doorstation at
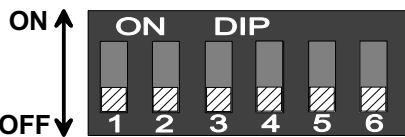   'OFF' position **normal mode** .

☞ Each parallel-handset can be connected with his own individual
   appt. push button.
   You also can connect 2 parallel-handset to one induvidual appt. push
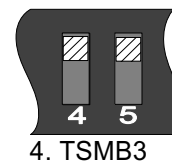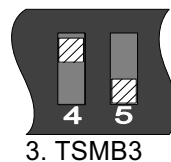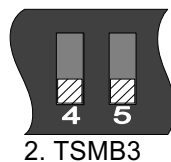   button, if so make sure you connect them to the same terminals!!!
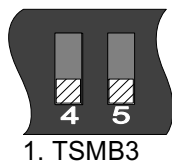
Speaker unit TSMB3

P1: Volume control handset
P2: Volume control Speaker-modul

Backside
TSMB3
IC5

TSMB3-AM
→ to Speaker unit TSMB3
→ to Pushbutton-modules RTMB (socket ST2) (max. 28 buttons)
→ to Pushbutton-modules RTMB (socket ST2) (max. 28 buttons)
→ Camera-modul

Tö 12V~ BUS

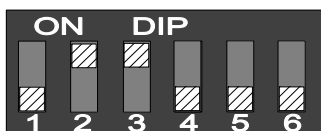Doorstrike (12V/1A*max.*)
12V AC v. NG333
BUS v. SP333

The addresses of all programmed handset´s are stored at IC2. If you have to change one TSMB3, than take out the IC from the old unit and put it in the new TSMB3,make sure it is the right polarity. In this case you do not have to reprogramm the whole system.

DIP-Switch	OFF	ON
1	Normalmode	Programmingmode
2	Lightbutton not active	Lightbutton active
3	Doorstrike is connected to TSMB3	Doorstrike is connected to SP333

DIP-Switch 4 and 5 will give Code to each TSMB3. In systems with multi entrance panels you have to give Code to each entrance panel (TSMB3). If you replace one TSMB3, make sure you give the same Code like the old one had to the new TSMB3. DIP-Switch 6 is always in 'OFF' postion.
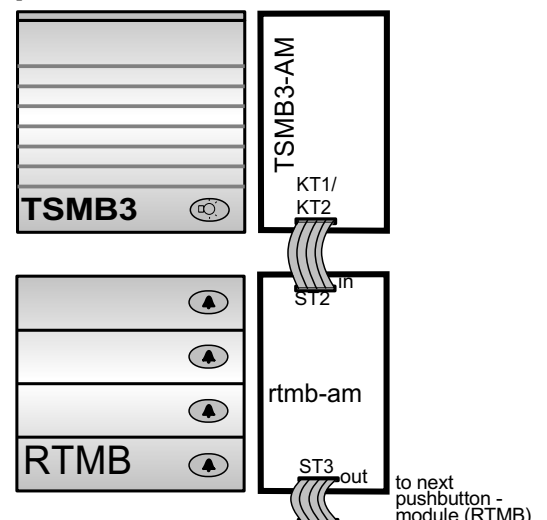

1. TSMB3   2. TSMB3   3. TSMB3   4. TSMB3

Original Settings at DIP-Switch when you buy it:

1 'OFF' : Normalmode
2 'ON' : Lightbuttonfunction aktive
           (at terminal LT1 at SP333)
3 'ON' : Doorstrike is connected at TSMB3

4,5 'OFF': Setting for one Entrance (TSMB3) only.

How to connect the pushbutton module RTMB.

TSMB3
TSMB3-AM
KT1/KT2
ST2
rtmb-am
RTMB
ST3 out
to next pushbutton - module (RTMB)

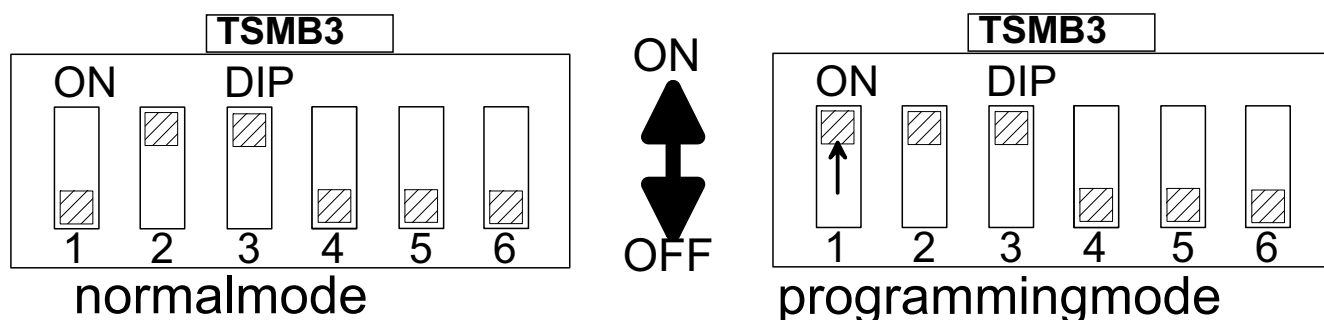Each handset will be programed to one entrance lobby pushbutton.
If individual appt. button is installed, than we suggest to program
with version 1.

programmingversion 1:   with individual appt. button

1. dip-switch 1 at (TSMB3) set in to 'ON' position   **programmingmode**.

2. Press the individual appt. button from the appt. which should be programed.
(You will hear one tone at the TSMB3).

3. Now press the pushbutton which belongs to the appt. at doorstation.
(You will heat four tones at the TSMB3).

4. Press the same pushbutton once again to make sure that the
programming has been successfull. (You will hear one tone at the TSMB3
and the handset will ring.

5. Repeat programming steps 2. up to 4. for all the appt. (handset´s)

6. At the end make sure that you set the dip-switch at the TSMB3 to 'OFF'
position **normalmode**.
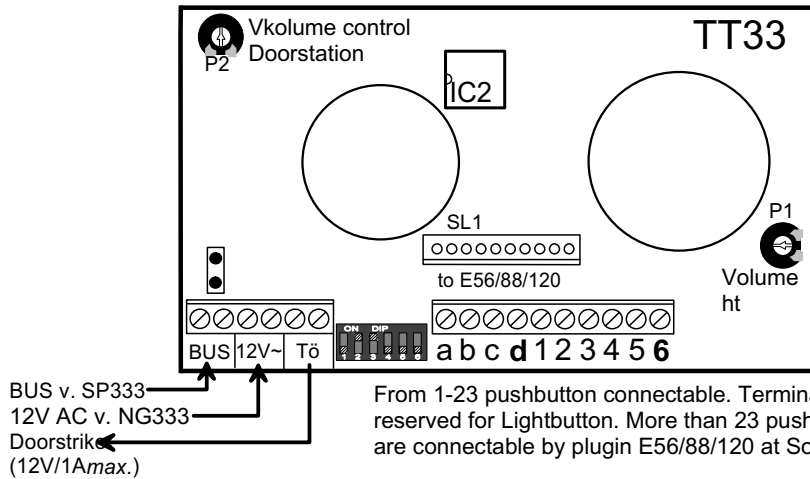*Siehe auch: Programmierung der Haustelefone für Parallelbetrieb.*

TSMB3   ON   DIP
1 2 3 4 5 6
normalmode

ON ⬆ ⬇ OFF

TSMB3   ON   DIP
1 2 3 4 5 6
programmingmode
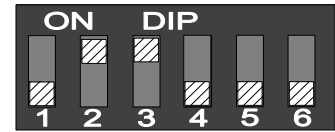
programmingversion 2:   with communication

1. **Set** dip-switch 1at (tsmb3) to 'ON' position   **programmingmode**.

2. Lift the handset from the appt. which you like programm.
Now you can talk to the entrance panel.

3. Press the pushbutton which belongs to this appt. at the doorstation
(You will hear four tones at the TSMB3).

4. Put handset back to the phone.

5. Repeat programmingsteps 2. upto 4. for all handset.

6. At the end make sure you set the dip-switch 1at (tsmb3) to 'OFF'
position **normalmode.**

SPEAKER UNIT TT33

STR ELEKTRONIK

Vkolume control
Doorstation
P2

IC2

TT33

SL1
to E56/88/120

P1
Volume
ht

BUS 12V~ Tö   a b c **d** 1 2 3 4 5 **6**

BUS v. SP333
12V AC v. NG333
Doorstrike
(12V/1A*max.*)

From 1-23 pushbutton connectable. Terminal D-6 is reserved for Lightbutton. More than 23 pushbutton are connectable by plugin E56/88/120 at Socket SL1.

Original Settings at DIP-Switch when you buy it:

ON DIP
1 2 3 4 5 6

1 "OFF" : Normalmode
2 "ON" : Lightbuttonfunction active
          (Terminal LT1 at SP333)
3 "ON" : Doorstrike must be connected
          TT33
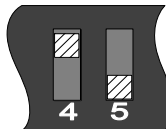4,5 "OFF": Set for one Doorstation (TT33)

The addresses of all programmed handset´s are stored at IC2. If you have to change one TT33, than take out the IC from the old unit and put it in the new TT33,make sure it is the right polarity. In this case you do not have to reprogramm the whole system.

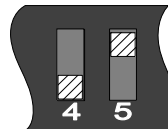|	DIP-Schalter	OFF	ON
ON ↑ ON DIP 1 2 3 4 5 6 **OFF** ↓	1	Normalmode	Programmingmode
	2	Lightbutton not active	Lightbutton active
	3	Doorstrike is connected to the TT33	Doorstrike is connected to the SP333

DIP-Switch 4 and 5 will give Code to each TSMB3. In systems with multi entrance panels you have to give Code to each entrance panel (TSMB3). If you replace one TSMB3, make sure you give the same Code like the old one had to the new TSMB3. DIP-Switch 6 is always in 'OFF' postion.
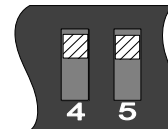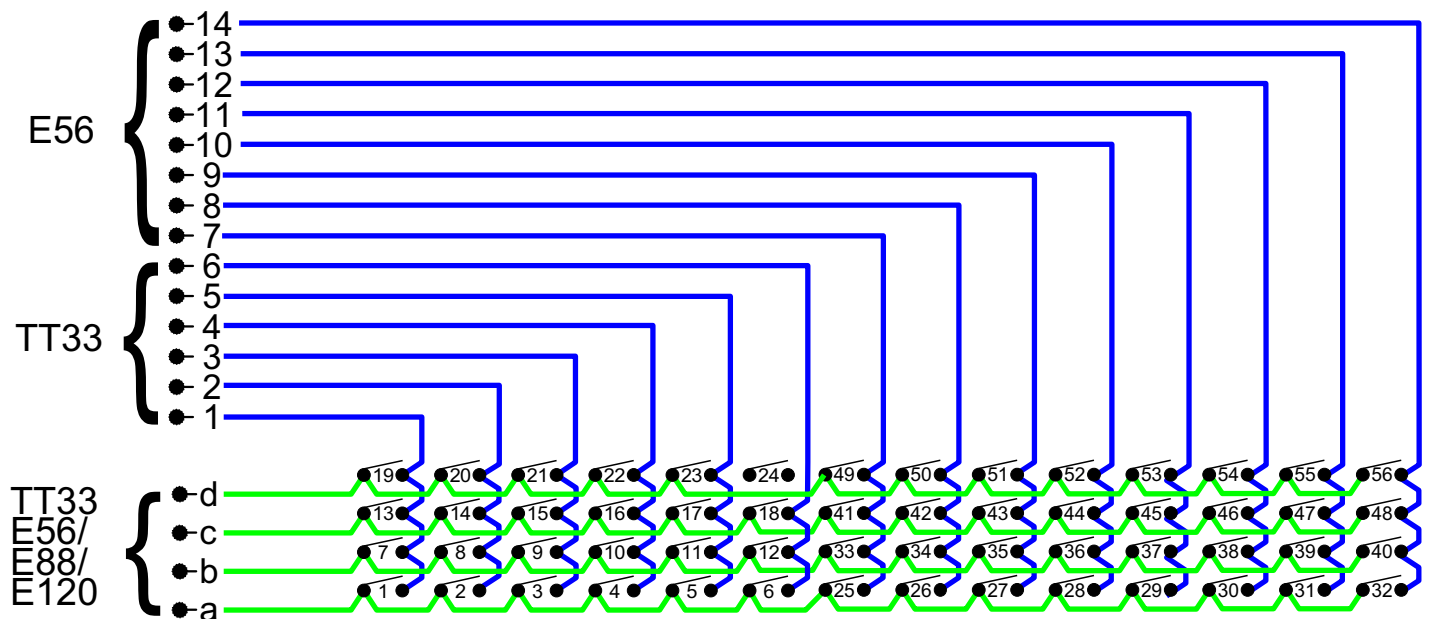
4 5   4 5   4 5   4 5
1. TT33   2. TT33   3. TT33   4. TT33

Connecting of push-button

E56 {
14
13
12
11
10
9
8
7

TT33 {
6
5
4
3
2
1

TT33
E56/
E88/
E120 {
d   19 20 21 22 23 24 49 50 51 52 53 54 55 56
c   13 14 15 16 17 18 41 42 43 44 45 46 47 48
b   7   8   9   10 11 12 33 34 35 36 37 38 39 40
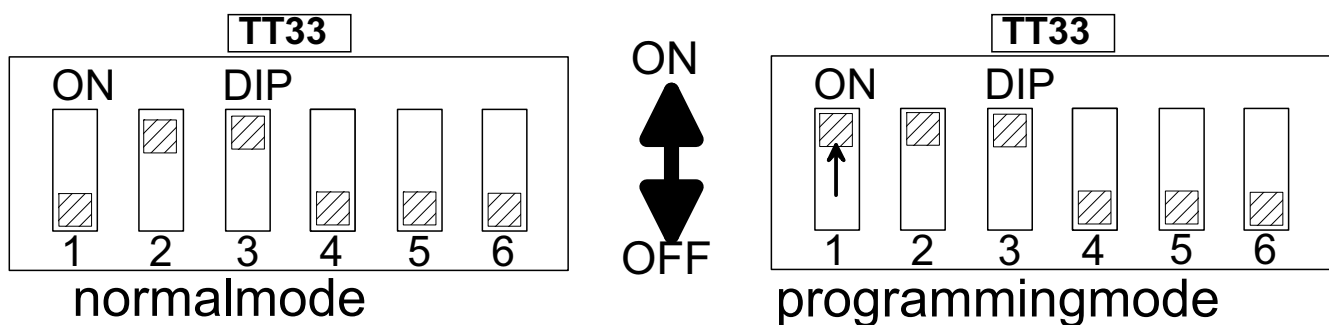a   1   2   3   4   5   6   25 26 27 28 29 30 31 32

☞ Terminal´s a,b,c,d are located at TT33 and E56/88/120 will connected with flatcable.
Button 24 (Terminals D-6 at TT33) is reserved for the Lightbutton.

programming with TT33

Each handset will be programed to one entrance lobby pushbutton.
If individual appt. button is installed, than we suggest to program with version 1.

programmingversion 1:with individual appt. button

1**.** dip-switch 1 at (TT33) set in to 'ON' position   **programmingmode**.

2. Press the individual appt. button from th appt. which should be programed.
   (You will hear one tone at the TT33).

3. Now press the pushbutton which belongs to the appt. at doorstation.
   (You will heat four tones at the TT33).

4. Press the same pushbutton once again to make sure that the
   programming has been sucessfull. (You will hear one tone at the TT33
   and the handset will ring.

5. Repeat programmingsteps 2. upto 4. for all the appt. (handset´s)

6. At the end make sure that you set the dip-switch at the TT33 to 'OFF'
   Position **normalmode**.

TT33

ON	DIP				
1	2	3	4	5	6

normalmode

ON
OFF

TT33

ON	DIP				
1	2	3	4	5	6

programmingmode

programmingversion 2:   with communication

1**. Set** dip-switch 1 at (tT33) to 'ON' position$_a$ **programmingmode**.

2. Lift the handset from the appt. which you like programm.
   Now you can talk to the entrance panel.

3. Press the pushbutton which belongs to this appt. at the doorstation
   (You will hear four tones at the TT33).

4. Put handset back to the phone.

5. Repeat programmingsteps 2. upto 4. for all handset.

6. At the end make sure you set the dip-switch 1at (tT33) to 'OFF'
   position **normalmode**.

Mounting
Make sure that the SP333 is not mounted right next to strong magnetic Fields, such as (Transformer, Power Switches, etc.).

Cable spec´s
Use commen low voltage twisted wire cable such as (J-Y (St) Y, J-2Y (z) Y)
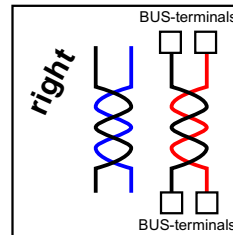
How to run the wires
High and low voltage (Data wires) should run with distance of 10 cm next to each other.
As well as switches, sockets (power outlets) should keep distance of 10 cm to Handset or other equipment of the intercom system.
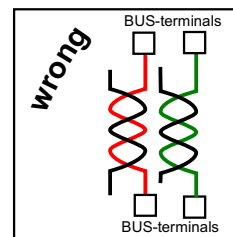
The resistance should not excied 20 Ohms.

Diameter of the wires	0,6 mm	0,8 mm
Distance between SP333 and Doorstation	35 m *max.*	60 m *max.*
Distance between SP333 and Handset	160 m *max.*	280 m *max.*
Distance between SP333 and door strike (**12 V~/1 A *max.***)	30 m *max.*	50 m *max.*

Please ensure that the following Points are done accordingly, in order to privent from interfirence problems:

1.a) For the 2-wire BUS-Line you should use one single pair of twisted wires, if available!

In none case you should use each one wire out of 2 different pairs!

b) Doubeling wires or pairs in order to increase Diameter of the Bus Line can cause Function problems, so do not!

c) Additional wires which are not used, do not install to the systems, they will cause interfirance problems to the system.

2.a) Never connect the shield from the cable, it causes trouble to the system.

b.) Also do not connect the shield from different cable together!

3.) Use only 12V-doorstrike with 1A max.. For the doorstrike use seperate cable for connecting it to the SP333!
In case you have to run the doorstrike wire in the same cable like the Bus Line, **you have to connect the Doorstrike**-Entstörsatz direct to the doorstrike!
Doorstrike**-Entstörsatz Best.-Nr. 29010**