LINE SWITCH *DIN*

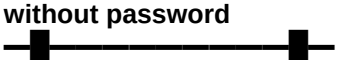
Generally

The device „LINESWITCH DIN„ contents 4 relais. You can remote control the contacts of relais through telephone line by DTMF dial. The device is powered by mains 230V**~**. The access is protected by password (adjustable). The status of relais as same as microphone can be check acoustically.The status each relay is indicated by green LED (4x) and microphone by red LED (lighting - switch on, not lighting - switch off). The power supply is indicated by one green LED diod.

Calling to device

Call to telephone line where is „LINE SWITCH DIN“ connected. After set number of ringing device pick up and reply by signal . The signal is different according password protection is activated or not:

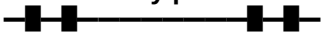
1: **without password**



(one short tone in 3 sec. period)

follow via commands of remote control

2: **Protected by password**



(two short tones in 3 sec. period)

insert right password:00000 (default)

O.K.:

wrong password:

Insert of Password:

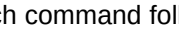
The password is 5 digits number. When you dial right password then you are hearing signalization as in mode without password. (one short tone in 3 sec. period). At the wrong password you are warning by 3 short tones. You can repeated dialling of password max. 3x times . By sending of new number is making longer time of reception about 1 minute. When you have 3 unsuccesfull attempts of password dialling or time out for dialling each numbers is longer than 1 minute then device hang up. Default of password „00000“.

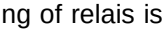
Commands of remote control

You can switch off or switch on each relais remotely as same as read its status (switch on, switch off). You can also control all relais together and enter to programming mode. The command always contents two tones.

Command	Function	p=0	p=1	p=2	p=3
1p	relay 1l	switch off	switch on	reading	pulse
2p	relay 2	switch off	switch on	reading	pulse
3p	relay 3	switch off	switch on	reading	pulse
4p	relay 4	switch off	switch on	reading	pulse
5p	all relais	switch off	switch on	reading	pulse
9∗	enter to programming				

Examples: command 41 ⇨ relay 4 switch on
command 52 ⇨ all relais is reading acoustically

After each command following beep  as confirmation of accepting the command. When you insert wrong command you are hearing mistake signal  . When time out in dialling each command is longer than 1 minute the device hang up.

The status reading of relais is doing acoustically. Two short tones  means relay is switch off ,

long tone —▬— means the relay is switch on.

The command 52 is progressivelly reading status of all relais from 1 to 4.Example of command 52:

relay switch on: yes no no yes
signalization: —▬— —▪▪— —▪▪— —▬—

PROGRAMMING

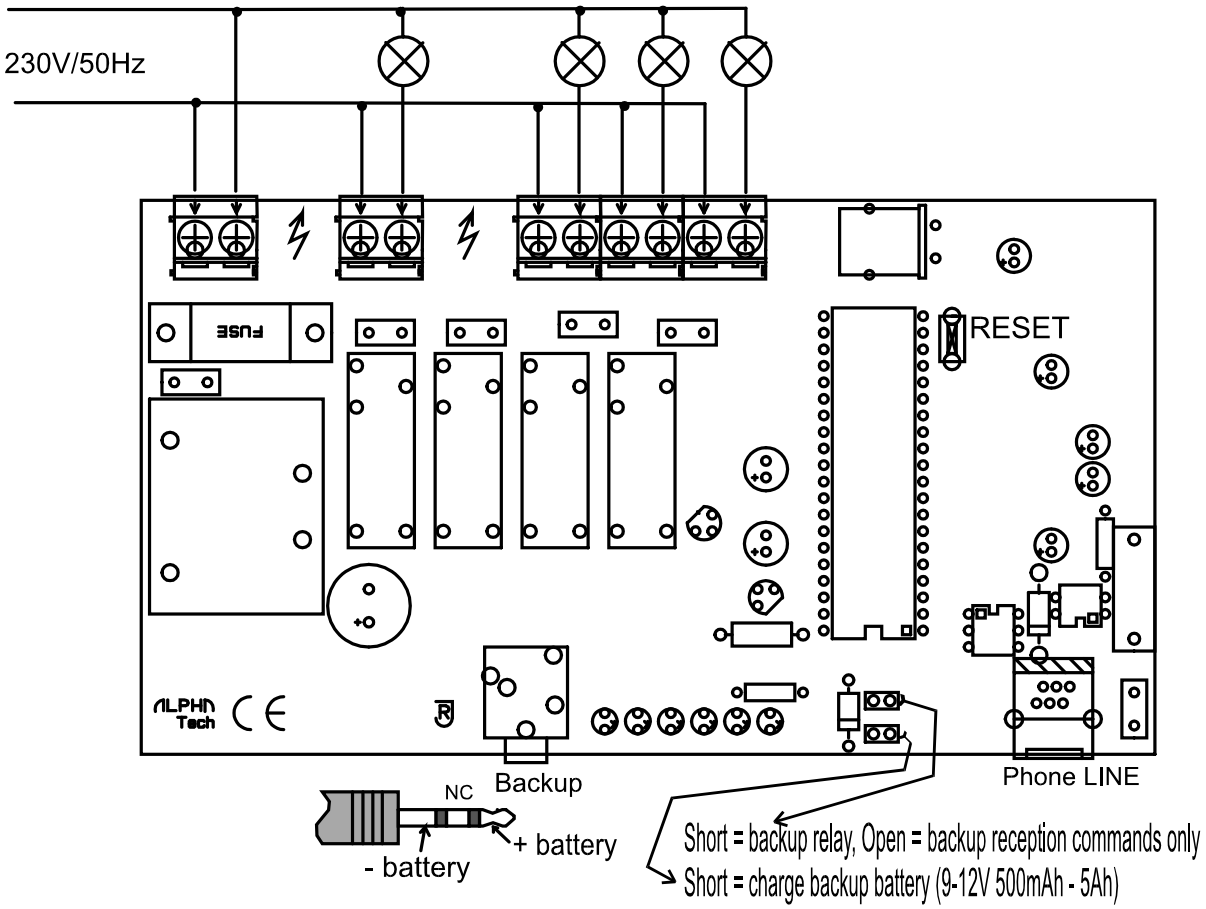
To programming enter by command * 9. The beeping is changing from period 3s to period 1s. You can programming as saame as conrol with or without password. The password is adjustable as same as number of ringing before device is picking up.

Command	**Function**
1h	h=0 password is none, h=1 password is use
2xxxxx	insert of new password (5 digits)
3z	z= 2 ÷ 9 number of ringing before device picking up
4p	p=1-9 pulse 1-9 sec
5 r	**r = 0 – 7 time for RECALL in 10xs**
9	escape from programming to remote control

When escape from programming to remote control the beeping is changing from 1 sec. to 3 sec. period.

Pulse is inversion aktual value, example:

Relay 1 is switch **on** - command „pulse“ switch relay 1 **off** at „p“ sec and switch **on**
Relay 2 is switch **off** - command „pulse“ switch relay 1 **on** at „p“ sec and switch **off**



Appendix to manual

Command	Function	Default
5 r	**r = 0 – 7 time for RECALL in 10xs**	**r = 0**

Function RECALL:

If r=0 the RECALL feature is switch OFF and Lineswitch pick up after number of ringing preprogrammed in parametr z.

If r=1 to 7 then Lineswitch during first call doesnt pick up, but when wait min 7,5 sec. (we recommend 10 sec) And call again then Lineswitch pick up a call after number of ringing preprogrammed in parametr z.

By parametr r you programm a time in 10 sec how long Lineswitch wait (when protected time 7,5 sec is over) for last ring when it has been picked up. When last ring is coming after preprogrammed timeout then Lineswitch doesnt pick up.
Caution: Dont programm short time for second ring and big number of ringing for picking up.

Change of SW: Change processor and make a reset vi reset button.
Hold on reset button and connect power supply after 3-4 seconds release reset button and disconnect power supply.