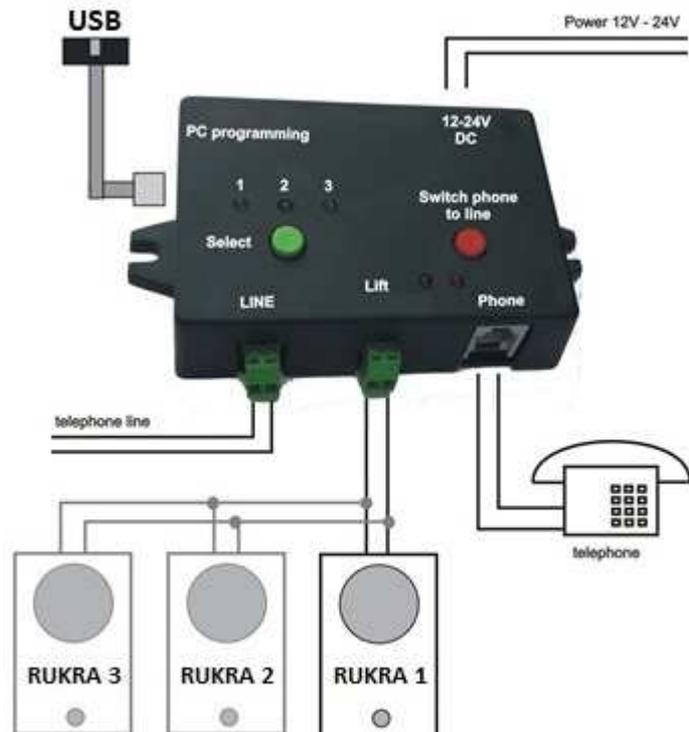## GENERAL

RUKRA Phone Line Switch is connected between the telephone line and maximum of 3 RUKRA Elevator Phone's parallel connected (only two wires).

The RUKRA Phone line Switch is made to make a call from the machineroom to 3 RUKRA Elevator Phones and you can make a call from the 3 RUKRA Elevator Phones to the machineroom.

It is also possible to program the connected 3 RUKRA Elevator Phone's

CONNECTIONS

FUNCTIONS

The RUKRA Phone Line Switch works with connected RUKRA Elevator Phones, they must have some programmable parameters. RUKRA Phone Line Switch can be used to connect one Elevator Phone (single mode) or for 2 or 3 parallel connected Elevator Phones (parallel mode).

Single mode:

In this mode, only two important parameters: disable **parallel connection** and **call duration**. These two parameters must be set in the RUKRA Phone Line Switch as well as in the Elevator Phone. It is also necessary for the correct function to set the same character prolongation call duration and code for hanging Elevator Phone.

Indication: Green *LED 1* flashes, green button does not respond.

Function: After picking up the handset of the telephone the telephone starts to call and then the RUKRA Elevator Phone picks up the line. Normal call progress. Whenever is allotted time to expire maximum call duration, so RUKRA Phone Line Switch automatically dial the prolongation character. If you hang up the phone the Elevator Phone will send hanging code.

Parallel mode:

In this mode it is necessary to set the same parameters in the RUKRA Phone Line Switch and the connected Elevator Phones. Without this, you cannot synchronize operation. These are the parameters: 42 Character prolongation

43 Hang-up code

45 Activate parallel mode

46 Number of RUKRA Elevator Phone (if parallel connected)

 4 * Constant time detection

51 Maximum call duration

Indication: Green *LEDs* light, green button switch address where do will be called. Switches in the order 1 / 2 / 3 / 1+2 / 1+2+3.

Function: Select the address (by green button) where do will be called. After picking up handset of the telephone is disconnected telephone line begins to ring and parallel connected Elevator Phones gradually pick up and RUKRA Phone Line Switch selects the desired Elevator Phone. Normal call progress. Whenever is allotted time to expire maximum call duration, so RUKRA Phone Line Switch automatically dial the prolongation character. If you hang up the phone, so to the communicator will send hanging code.
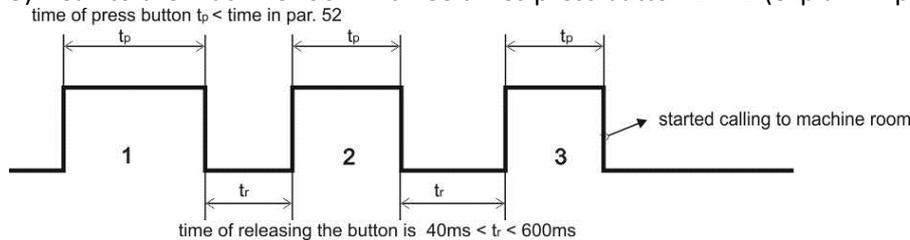
Red button:

Red switch enables the possibility to connect your phone in the machine room with external line. This is mainly for safety reasons, to call for help (ambulance, fire brigade). If the switch is closed, so the external line is connected directly to the phone and the Elevator Phones in the elevator are not working.

CALL FROM CABINE

For call use not blocked BTN1. **(Alarm button on/below cabin)**

This Button has three function:

1) Emergency call – press BTN1 longer than time parameter 52 (2sec)
2) End of alarm – press BTN1 longer than (time parameter 52) x 8 (16sec)
3) Call to the machine room – three times press button BTN1 (explain in picture)

time of press button t$_p$ < time in par. 52

time of releasing the button is 40ms < t$_r$ < 600ms

Picture explain how pressed button for successful call to the machine room.

PROGRAMMING

RUKRA Phone Line Switch is possible programming only from PC with program RUKRA Elevatorphone Setting. Connector for PC has only 4 pins and we need use reduction between 4 pins connector and standard 10 pins programming connector. Programming is easy, in program RUKRA Elevatorphone Setting we have settings for connected Elevator Phones and now we connect RUKRA Phone Line Switch, and write these parameters (without changes) to the RUKRA Phone Line Switch, so this is all. These settings we recommended to save to the PC for next other possible future servicing.

Parameters affected thereby: 42 Character prolongation

                             43 Hang-up code

                             45 Activate parallel mode

                             46 Number of RUKRA Elevator Phone (if parallel connected)

                             4 * Constant time detection

                             51 Maximum call duration

TECHNICALL

Power	: 12 – 24 VDC
Consumption	: Stand-by 40mA
	Active 300 mA at 12V and 150 mA at 24V
Programming	: Only by PC and program "RUKRA Elevator Setting"
Sizes	: 21 x 99 x 66mm
Environment temperature	: -30 to 85° Celsius
CE	: The CE symbol indicates that the product complies with the European directives.
	On our website you can download the declaration of conformity.
Warranty	: 2 year Carry in