KEYPAD
CA-64 KLCD-S

ca64klcd_s_e 10/03

The CA-64 KLCD-S keypad is designed to interface with the CA-64 alarm control panels.

DESCRIPTION

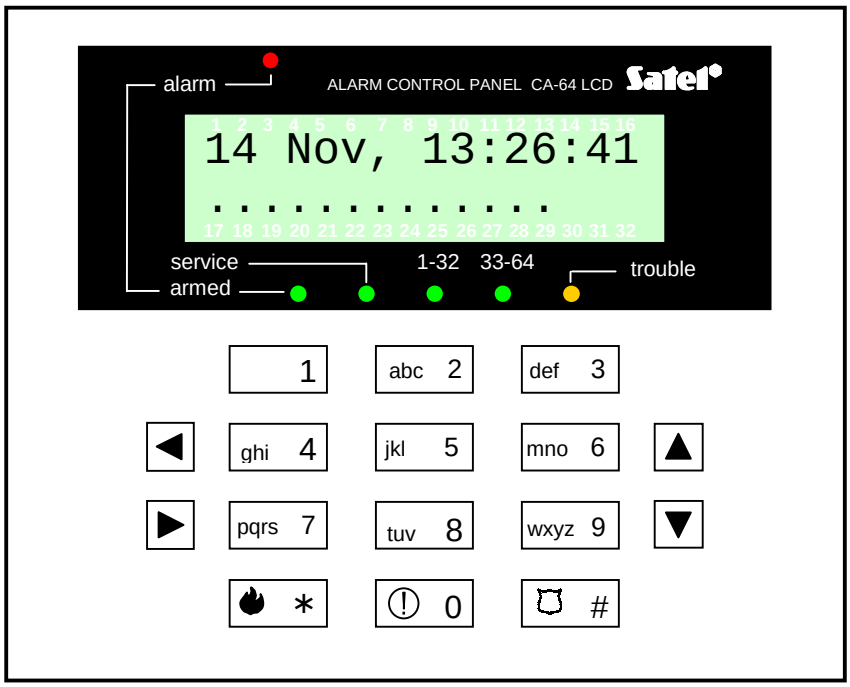


Figure 1. CA-64 KLCD-S keypad.

The keypad features (visual and audible signaling) as well as the way of operating the alarm system by means of this keypad correspond to the description contained in the *CA-64 Alarm Control Panel User Manual*.

The letters provided on numerical keys may facilitate memorization of the access code by mentally associating it with a particular word (e.g. the code „[7][8][2][7][8]" corresponds to the word: „*START*").

Special symbols make easier associating particular keys with the alarms, which can be activated by using the keys:

- fire,
- auxiliary,
- panic.

KEYPAD CONNECTION

DESCRIPTION OF TERMINALS	
KEYPAD	PANEL
KPD	+KPD
DTM	DTM
CKM	CKM
COM	COM
Z1 – for detector	Additional system inputs
Z2 – for detector	

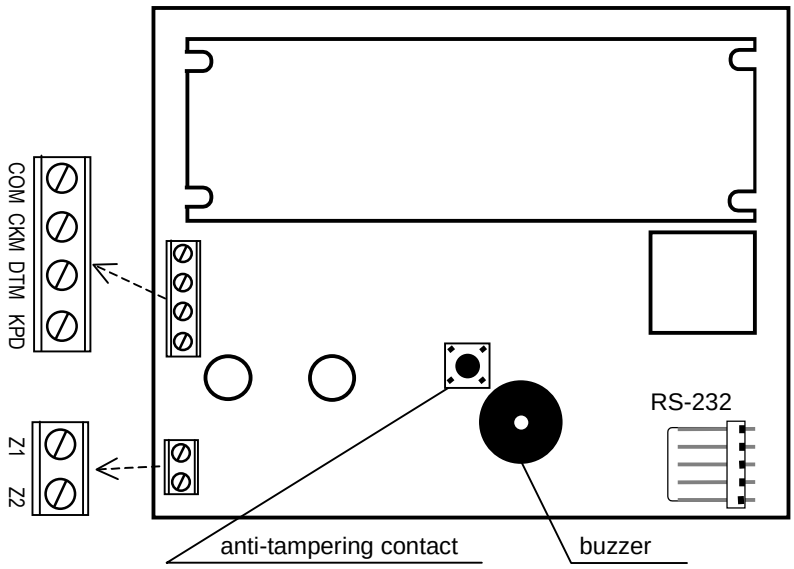


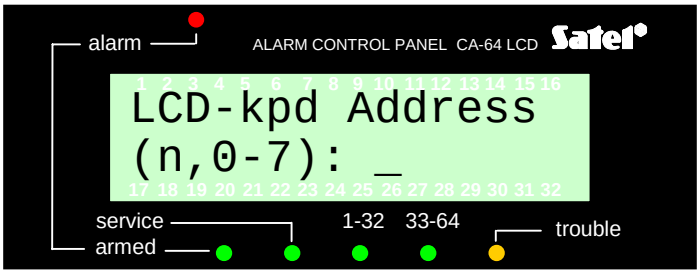
Figure 2. – LCD-S V1.6 keypad board.

The keypad connection to the main board and the use of the RS-232 port and the Z1, Z2 inputs are described in the manual „ *CA-64 Alarm Control Panel - System Description and Installation”*.

The CA-64 KLCD-S keypad address is saved in the EEPROM non-volatile memory. It can be programmed in two ways:

1. Directly (skipping the control panel service code):

- Turn off the keypad power supply and the data bus wires (CKM, DTM).
- Short the keypad terminals CKM and DTM.
  Turn on the keypad power supply. The following text will be displayed:



n=0...7, current address of the keypad

Figure 3. – Programming the keypad address

- Enter a new address within the 0-7 range. The keypad will confirm performance of the function with four short and one long beeps. The address can be changed again on pressing the [∗] key.
- Connect the keypad to the control panel as required (CKM, DTM).

2. By using the control panel service function:

- Activate the panel service mode (from any supported keypad): [SERVICE CODE][∗], →Service mode.
- Select in turn the items from the menu of displayed functions:
  →Structure; →Equipment; →Identification; →Keypad addresses.
  On the displays of manipulators (which have no physical jumpers), a message will appear as shown in Figure 3 (corresponding to the language version of control panel program).
- Enter the appropriate address from the 0-7 range; the keypad will confirm performance of the function with four short and one long beeps; then, press the [∗] key - the keypad will quit the address change function.

NOTES:

- *For the LCD keypads to be properly supported by the CA-64 control panel, the keypad identification function must be performed after setting the keypad addresses.*
- *Setting the same address in several keypads will trigger the anti-tampering alarm, and also will display the „Keypad replaced" message and disable operation of such keypads. To restore the operation of keypads, change their repeating addresses into unique ones. The changes can be made as described herein.*

TECHNICAL DATA

Supply voltage	11...14V
Minimum current consumption	60mA
Maximum current consumption	125mA

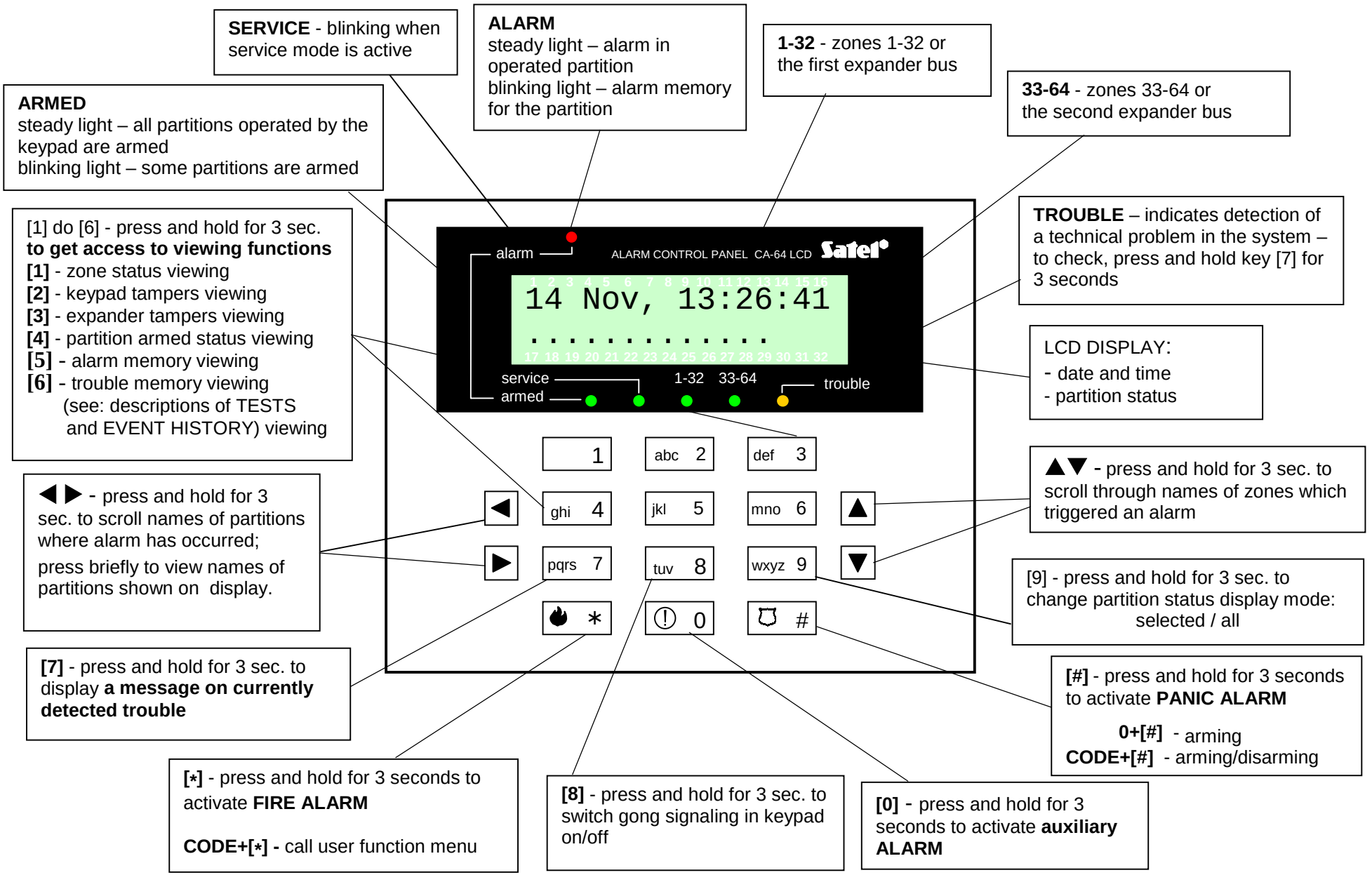


Figure 4. - The description of functions of LCD keypad's indicators and buttons for CA-64 control panel with the1.04.00 firmware version.