

KP-450 Side Mount Programmable Keypad User's Manual

Rev.: Original



FCC Notes:

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

Warranty Limits:

Warranty terminates automatically when any person other than the authorized technicians opens the machine. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

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P/N: 18410900010

Part 1

GENERAL DESCRIPTION

OVERVIEW

KP-450 is 45 keys upgrade kit for Posiflex POS terminal KS-6910TS series. 29 programmable keys with 15 numeric keys (including 1 double key) place a convenience side mount input device for pleasant user experience.

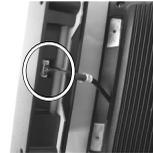
INSTALLATION

For KP-450 to install in the KS-6910TS series, please arrange the KS-6910TS's main unit on a flat surface and unfasten these screws which circled in the right picture to release the cover.

There is a cable which you may find after the cover released and please pull it out gently. Next, connect this cable to the connector which on the left side of KP-450 as shows in the right picture.

After connect this cable, please hold the KP-450 and join to the KS-6910TS main unit and as arrowed in the right picture.

After match the KP-450, please use the original screws to fasten the Keypad. Please reserve the cover if there is a possibility to remove the side mount upgrade kit.



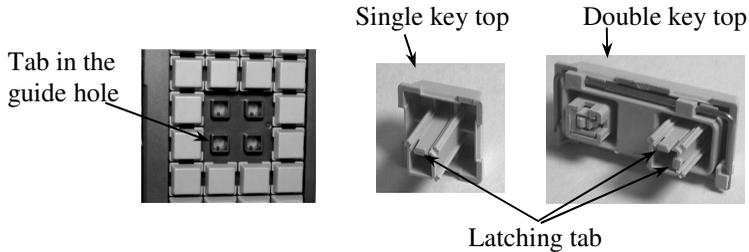
KEYTOP LAYOUT

Keypad Replacement

The keypad in KP-450 is organized into 2 parts: a 4 X 4 numerical keypad area and a 1 X 4 matrix with a 5 x 5 square programmable keypad areas. Conversely, this keypad allows some layout alterations by the system integrator. Besides the standard single key installed, there are double keys and blank keys for purchase to provide more convenient user interface.

When replacement of keytop is required, it is advisable to use a flattop (minus sign) screw driver (Do not use the attached key clip for this operation.) to help getting the key top off gently. Please always first orientate the key tops as

below before inserting any keytop into the case of the keypad. **Failure to do so could result in permanent damage not covered in product warranty.** Please always match the latching tab on bottom stem of keytop with the tab in guiding hole and gently press the key top down till a click sound is heard as indicated in the pictures below.



Labeling On Keytop

The programmable keypad is provided easy and durable method for reminding the user of content programmed in each programmable key. First preprint (or write) in each cell of the attached colored sheet the “name” for each key. Stick each cell to the corresponding keytop and then put on the transparent key cap from the accessories. In this way, the labeling will be protected and resistant to scratch or rubbing.

When re-labeling is required, please use the attached key clip to hook up the transparent key cap and change the label then re-cap.

KEYPAD PROGRAMMING

The programming of the keys above the numerical keypad in KP-450 is in general the task of the system integrator and not the average end user. For end user, please go to the chapter of “OPERATION GUIDE” of this manual directly.

Utility Installation

In the Posiflex Product Information CD attached with KP-450 or please download from our web site: <http://www.posiflex.com> the keypad programming utility for KP-450.

In the above mentioned subfolder please find a further subfolder “uKBW_xxx” with “xxx” representing any number of the utility revision. This is a Windows utility for the KP-450. Execute “uKBW_xxx\SETUP.EXE” to install the

programming utility “uKBW.EXE” for various editions of Windows OS. After completion of the “Setup”, there will be a program group “Posiflex Tools” in the program files. Clicking the program “Posiflex USB Programmable Keyboard” in this group will activate the uKBW.EXE for KP-450. Please select the right model when entering the program if questioned by the program.

Keypad Programming

A normal keyboard may be required for inputting data in keypad programming. In the command menu of the programming utility, “Keyboard” => “Read” or “Write” can be used to transfer the current content in KP-450 to the program memory or vice versa. “File” => “Open” or “Save” can be used to edit an existing template file or preserved the current program content to a template file. “View” command alters the key map page corresponding to the position of control key. The rightmost column in key map for Page 1 refers to the answer back codes for the control key.

Right click (or left click to select a key and followed by a “Return” key of normal keyboard) in the key map to start edit the selected key. Select another key or press “Down Arrow” of normal keyboard finishes programming of that key. Remember to “Keyboard” => “Write” or “File” => “Save” before exiting the program otherwise everything worked will be lost.

Quick Reference Guide for Programming a Key

Please refer to our web site for every detail in programming the programmable keyboards or keypads. The following simplified guide serves as a concise tool for instant application.

| Keys To Program | How to Program Them |
|--|---|
| Esc, Enter, Tab, Back Space, Caps Lock, Menu, Window, F1 - F12, Shift, Ctrl, Alt, Arrow Keys and All Functions like: Print Scrn, Scroll Lock, Pause, Insert, Delete, Home, End, Page Up, Page Down | Right click in the key editing area and select the desired key from the menu/submenu appeared |
| A - Z, 0 - 9, ~ ` ! @ # \$ % ^ & * () - _ = + } { [] \ ' ; : / . , < > ? | Press: “Desired Key or Keys” of the normal keyboard |

Hardware Limitation in Programming

In case of “multiple combination key” application which means pressing three or more keys at the same time to obtain certain data output from the keypad, there could be some limitations inherent from the nature of keypad structure. The CPU of keypad detects the contact between the “horizontal” and “vertical” lines for each key press, recognizes which key is pressed and sends correspondent data to the host computer. When there are many keys pressed at the same time, and the pattern of the contacts coincides with some special relationship, there are chances that the CPU of keyboard be confused about exactly which keys are pressed. The user may change the locations of the key-definition to prevent this once such confusion happens.

