ASCII Data Entry in Firmware V4.23 and greater

This technical note describes the new ASCII Data Entry procedure introduced from Firmware version V4.23. The new feature is available in all the UniOP panels with an integrated ASCII keyboard.

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1. Introduction

The ASCII keyboard is normally used in Operation Mode to program Function Keys with an associated macro commands sequence.
Once a Data Entry procedure is required over an ASCII field the integrated alphanumeric keyboard can be used to insert characters and numeric digits.

2. ASCII Keyboard Functionality

Once the Data Entry Procedure is started each button of the integrated keyboard con be used to insert two characters.
Using earlier Firmware versions the first character is inserted by pressing once the corresponding key. The second character is inserted by activating the "2nd" key and by pressing once on the corresponding button.
Figure 1 shows an example of one integrated ASCII keyboard; the dashed boxes group all the keys that can be used to insert alphanumeric characters during a data entry in an ASCII field.
The numeric pad, grouped in dashed and point, works as usual.

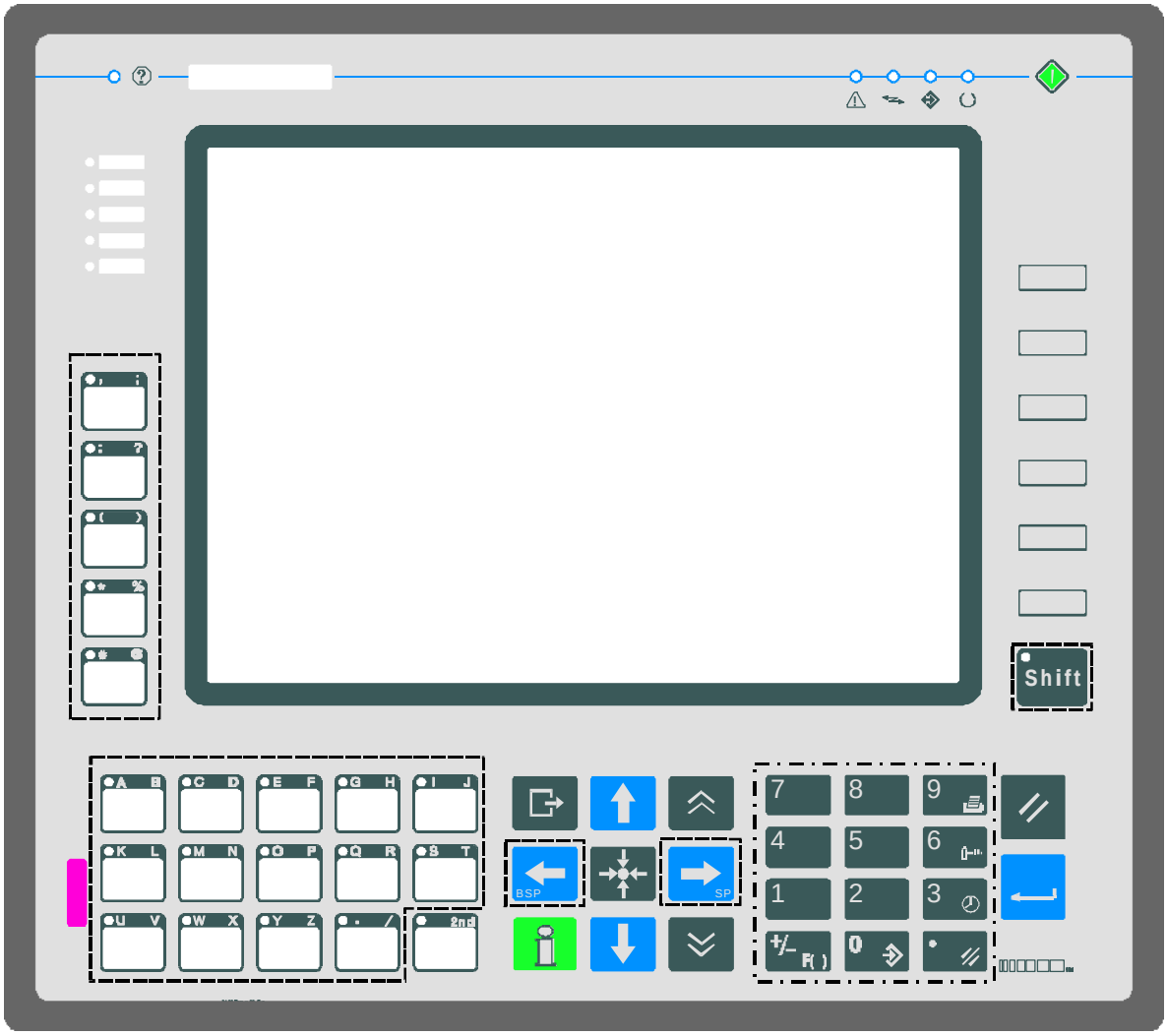

Figure 1

Starting from Firmware V4.23 and greater an additional functionality is added.
The first press on a button result in inserting the first character.
If the button is pressed two times quickly, the operation will result in inserting the second character.
During Data Entry phase the Left Arrow key can be used as BackSpace if it is pressed two times quickly. In the same way the Right Arrow key can be used as Space Bar if it is pressed two times quickly.

The Shift key is used to select upper case letters.

The 2nd key is used to invert the selection of alphanumeric characters for all buttons.
When the 2nd key is activated, the first press operation will result in inserting the second character. If the button is pressed two times quickly, the operation will result in inserting the first character.