# The Front Panel of the MKDx-25

This Technical Note will provide the information necessary to use the new keyboard features of the panels MKDR-25 and MKDL-25.

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# 1. Panel Layout

Figure 1 shows the position of keys and LED's on the front panel.

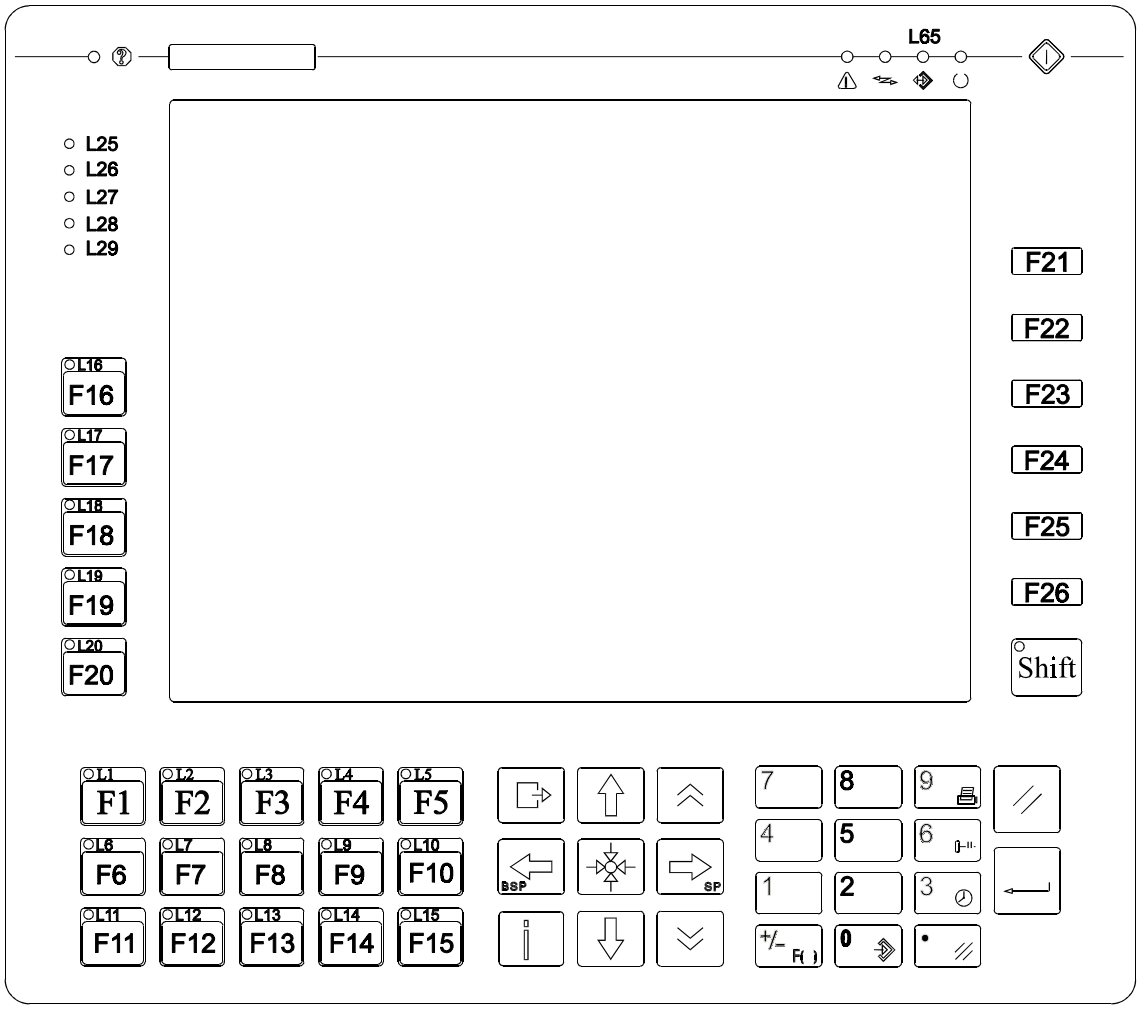


Figure 1

## 2. New Keys

The panel features some new keys which where not present in older products. Designer support for the new keys has been added in Designer version 5.01.

| Key | Name | Function |
|---|---|---|
| | ESC | Returns to Page Mode from any menu.<br>In Page Mode, available for use with the Macro Editor. |
| | PG_UP | Available for use with the Macro Editor. |
| | PG_DOWN | Available for use with the Macro Editor. |
| | HOME | Available for use with the Macro Editor. |
| Shift | SHIFT | Toggles between upper an lower case while in ASCII Data Entry Mode. More information can be found in Chapter 4. |
| | SERVIN | Perform battery check when panel is turned off.<br>Refer to Chapter 6 for more information. |

## 3. Keys with a New Design

The look of some keys has been changed replacing the text with a graphic symbol. In some case also some additional functionality is available.

| Key | Name | Function |
|---|---|---|
| | CLEAR | Standard CLEAR function. |
| 9 | PRINT | PRINT command in Page and Alarm Mode, digit 9 in Data Entry Mode |
| 3 | DATIME | In Page Mode recalls the Time & Date Set Mode.<br>Its function can be redefined with the Macro Editor. |
| • | DEL | Decimal point. |
| 0 | INSERT | 0-INS key. |
| 6 | PASSWORD | If pressed in Page Mode and if there are passwords defined, recalls directly the Password Mode. |
| | HELP | Same as HELP Key, available for use with the Macro Editor. |

## 4. ASCII Data Entry

This panel supports ASCII data entry. Each of the function keys can will act as an alphabetic or ASCII character when the panel is in Data Entry Mode on an ASCII data field. The SHIFT key toggles between upper case and lower case.
Each key used for ASCII data entry is associate to two ASCII codes (the first on the left and the second on the right). The F15 key will let you chose which one you want to use. The LED on the F15 function key indicates the current selection: when this LED is off, pressing a key will result in the character on te left; similarly, when the LED is on, the character on the right will result.

## 5. LED Indicators

| LED | Name | Function |
|---|---|---|
| | DL/FAULT | Integrates standard DL and FAULT LED's using bicolor (red/green) LED |
| L1..L20 | Function LEDs | Programmable via RDA and Macro Editor |
| L25..L29 | User LEDs | Programmable via RDA and Macro Editor |
| | ALARM | Standard ALARM LED. |
| | COM | Standard COM LED. |
| | RUN | Standard RUN LED. |
| L65 | DATA .STORE | Programmable with the Macro Editor |

## 6. Battery Information

It is possible to check the battery status when the unit is turned off.
Pressing the SERVIN key while the unit is turned off, the DL/FAULT led will blink for a short time if the battery is good. If the LED doesn't blink, it means that battery level is low.

**Note:** After one battery check the user must wait at least 20 seconds before repeating the battery check, because internal hardware will need to recharge its dedicated circuitry.