
Technical Specifications – Micropad 633 18-Key Serial Keypad

Serial Port Protocol (commonly known as RS-232 protocol)

Baud Rate 1200 bps
Data Bits 8
Parity None
Stop Bit 1
Flow Control None

Special Notes: RTS and DTR should always be High to supply power.

Keypress Behavior

Auto-Repeat Delay 500 ms
Auto-Repeat Rate 95 ms (~10 chars/sec)
Key Rollover 2

The Keypad outputs an 8-bit ASCII code when a key is pressed. The following table lists those codes.

ASCII Output Table - Jumper OFF (Default)

Key	Numlock OFF (Hexadecimal Notation)	Numlock ON (Hexadecimal Notation)
/	6A	5A
*	6B	5B
-	6C	5C
+	6D	5D
Enter	74	74
Period	6E	5E
0	6F	5F
1	60	50
2	61	51
3	62	52
4	63	53
5	64	54
6	65	55
7	66	56
8	67	57
9	68	58
BackSpace	70	4F
Numlock	79	41

Advanced Information

If you open up the Keypad, you will see a jumper. If you short this jumper, then the following Table lists the codes that will be output. You'll notice that in this mode, each of the keys output a separate code upon pressing the key down and releasing the key to go up. These codes are independent of whether the numlock is on or off.

ASCII Output Table - Jumper ON

Key	Press (Hexadecimal Notation)	Release (Hexadecimal Notation)
/	6A	5A
*	6B	5B
-	6C	5C
+	6D	5D
Enter	69	59
Period	6E	5E
0	6F	5F
1	60	50
2	61	51
3	62	52
4	63	53
5	64	54
6	65	55
7	66	56
8	67	57
9	68	58
BackSpace	70	4F

In this mode, the Numlock key is the only one that outputs a different down and up for both Numlock states. See the table below.

Key	Numlock ON		Numlock OFF	
	Press	Release	Press	Release
Numlock	40	78	41	79