Installation

LOCAL PRINTER INTERFACE

Model 868

Installation and Wiring

Install the Model 868 on the programmer connector of the Model 1712 or 1812 Command Processor panel. Two plastic standoffs are provided with the 868 to attach one end of the module to the cover plate of the panel. You must reset the panel during installation of the 868.

A seven foot printer cable is provided with the Model 868. Connect one end of the cable onto the panel's J3 connector and the other end to the serial port of your printer. You can add an extension to the printer cable, but the total length of all cabling must not exceed 50 feet.

Printer Output Definition

The output from the Model 868 is standard RS-232 ASCII data with eight data bits, 1 stop bit, and even parity. You can set the baud rate from 300 to 9600 baud by using switches SW1 or SW2 located in the center of the 868 module. Only one of the six baud rates can be turned on. The baud rate is factory set at 1200.

Figure 1:
Baud rate settings

Programmer Connector

A programmer connecter is provided on top of the Model 868 allowing you to program the system without having to remove the module.
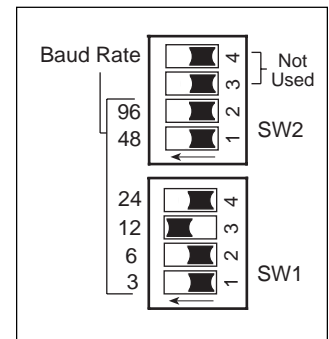
Firmware Requirements

Firmware in the Model 1712 or 1812 control panel must be at Level 200 or higher to provide the printer output capability. The programmer firmware needed to select all of the printer options must be Level 300 or higher.

Printer Cable Definition

The specific pin locations for the printer cable are listed below:

Pin 1   Signal Ground   Pin 7   Protective Ground
Pin 2   Transmit Data   Pin 11   Clear to Send
Pin 3   Receive Data   (Pin 11 must be DTR and generate a positive voltage of 5 to 15 VDC).

Printer Definition

The Model 868 is compatible with the Okidata ML184T printer. The ML184T is available from DMP by ordering Model Number SCS-PTR. The option switches on the ML184T are set as follows:

Upper Serial Board			Lower Control Board	
Switch Bank 1	Switch Bank 2		Switch Bank 1	
1 OFF ⟩ EVEN PARITY	1 ON ⟩		1 OFF ⟩ ASCII	
2 OFF ⟩	2 ON ⟩ 1200 BAUD		2 OFF ⟩	
3 ON 8 BITS	3 OFF		3 OFF ⟩	
4 ON READY/BUSY	4 OFF DSR		4 OFF ⟩ 11 INCH FORM	
5 ON CIRCUIT/MONITOR	5 ON 32 BYTES BUFFER		5 ON ⟩	
6 ON PRINT MODE	6 ON 200ms BUSY SIGNAL		6 ON AUTO LINE FEED	
7 OFF ⟩ SSD	7 OFF DTR		7 ON 8 BITS	
8 ON ⟩	8 OFF NOT USED		8 OFF ENABLE FRONT PANEL	

Printer Definition for Okidata µ82A
Control Board on Rear PCB

	Switch 1			Switch on Front Panel
1	ON		1	OFF
2	ON		2	OFF
3	OFF		3	OFF
4	ON		4	OFF
5	OFF		5	OFF
6	ON		6	ON
			7	OFF
			8	ON

Printer Definition for Okidata ML 182A
Control Circuit Board   Serial Interface Board
     Lower Board   Upper Board

#	Lower	Label	#	Upper	Label
1	OFF	⎞	1	OFF	BUSY SIGNAL
2	OFF	⎬ ASCII	2	OFF	⎞
3	OFF	⎠	3	OFF	⎬ 1200 BAUD
4	OFF	⎞	4	ON	⎠
5	ON	⎬ 11 INCH FORM	5	OFF	NOT USED
6	ON	AUTO LINE FEED	6	ON	PARITY
7	ON	8 BITS	7	OFF	SSD
8	OFF	NOT USED	8	OFF	NOT USED

Printer Definition for Okidata ML 182T
Control Circuit Board
Lower Board   Serial Interface Upper Board
     Switch Bank 1   Switch Bank 2

#	Lower	Label	#	Bank 1	Label	#	Bank 2	Label
1	OFF	⎞	1	OFF	⎞	1	ON	⎞
2	OFF	⎬ ASCII	2	OFF	⎬ EVEN PARITY	2	ON	⎬ 1200 BAUD
3	OFF	⎠	3	ON	8 BITS	3	OFF	⎠
4	OFF	⎞	4	ON	READY/BUSY	4	OFF	DSR
5	ON	⎬ 11 INCH FORM	5	ON	CIRCUIT/MONITOR	5	ON	32 BYTES BUFFER
6	ON	AUTO LINE FEED	6	ON	MODE = PRINT	6	ON	200ms BUSY SIGNAL
7	ON	8 BITS	7	OFF	⎞	7	OFF	DTR
8	OFF	ENABLE FRONT PANEL	8	ON	⎠ SSD	8	OFF	NOT USED

Printer Definition for Okidata ML 182T (IBM Compatible)
Control Circuit Board
Lower Board   Serial Interface Upper Board
     Switch Bank 1   Switch Bank 2

#	Lower	Label	#	Bank 1	Label	#	Bank 2	Label
1	OFF	⎞	1	OFF	⎞	1	ON	⎞
2	OFF	⎠ ASCII	2	OFF	⎠ EVEN PARITY	2	ON	⎬ 1200 BAUD
3	ON	AUTO LINE FEED	3	ON	8 BITS	3	OFF	⎠
4	ON	⎞	4	ON	READY/BUSY	4	OFF	DSR
5	OFF	⎬ 11 INCH FORM	5	ON	CIRCUIT/MONITOR	5	ON	32 BYTES BUFFER
6	OFF	SKIP	6	ON	MODE = PRINT	6	ON	200ms BUSY SIGNAL
7	OFF	8 BITS	7	OFF	⎞	7	OFF	DTR
8	OFF	ENABLE FRONT PANEL	8	ON	⎠ SSD	8	OFF	NOT USED