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# **Document—**

## **Serial Memory Storage Device Applications**



## Serial Memory Storage Device Applications

A serial memory storage device similar to one shown below can be used to store machine configuration and formula data for most current models of Milnor® machines. DIP switches inside the storage device allow you to configure the device to accept data from several different machine types and software versions. Use this document to determine the proper DIP switch setting for your machine. After verifying the switch settings, label the storage device with the date, machine name, and serial number to avoid confusion when the device is needed to restore data to a machine.

Figure 1: Serial Memory Storage Device

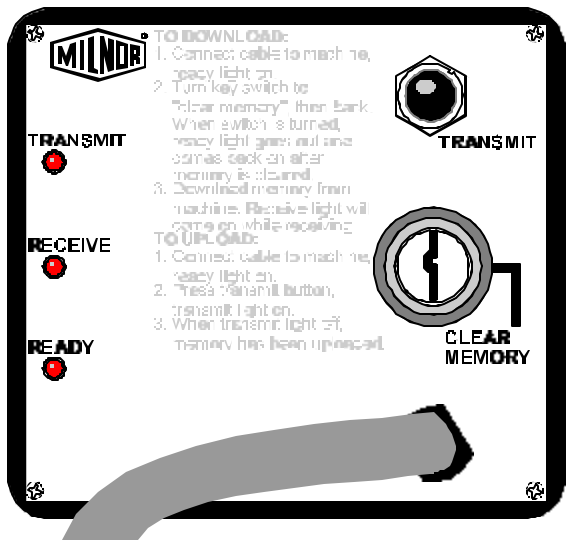


Figure 2: Serial Memory Storage Device

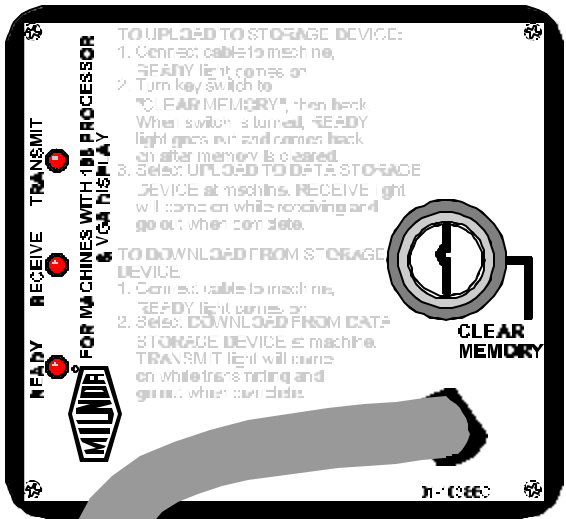
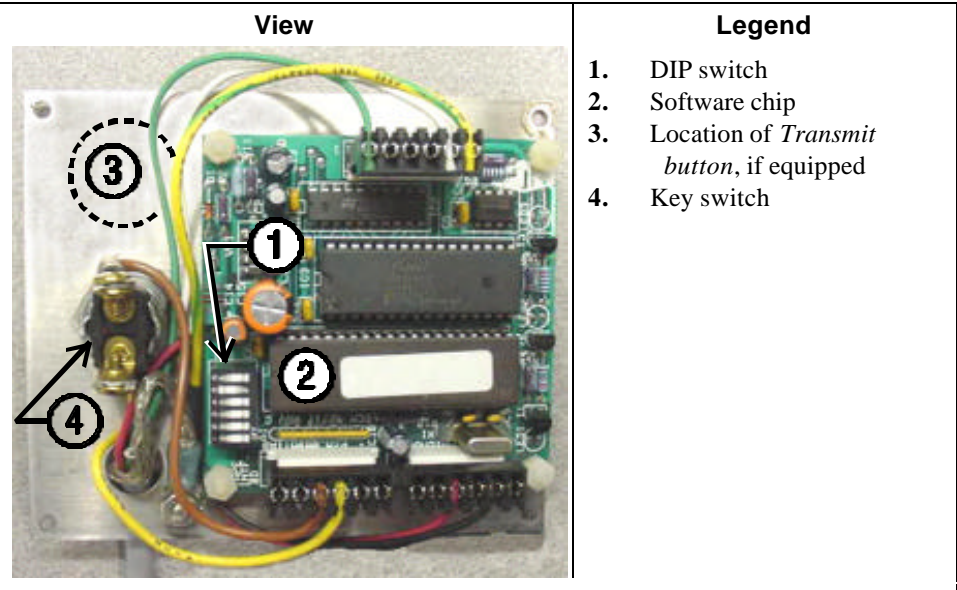


Figure 3: Rear View of Circuit Board



**Supplement 1****Universal Memory Storage Device**

If necessary, a memory storage device **with the *Transmit* button** may be used to store configuration and formula data from any machine that's capable of transferring data through a serial port on the machine. When using a button-equipped download box to store data from a device listed in Table 3, ignore the button. The download will begin when commanded from the machine control panel.

**Note 1:** Switch setting “E” is valid only for serial memory storage devices with software WUNTIA/00008 or later. This setting is used with Milnor E-P Plus and E-P Express controllers.

**Table 1: DIP Switch Positions for Use with E-P Plus and E-P Express Machines (External Transmit Button Required)**

Processor Board Part Number	Processor Board Revision Code	Machine Software and Revision	Storage Device Software and Revision	DIP Switch Setting
30015HxJ and 30022HxJ Models				
08BH18EPDT	K	WUH7JA/2200E	WUNTIA/00008	E
VxJ Models				
08BH18EPDT	K	WUV7J1B/2200K	WUNTIA/00008	E
30015T5X and 30022T5X Models				
08BH18EPYT	K	WUEPXPRSA/22004	WUNTIA/00008	E
All E-P Express Gear Guardian Models				
08BH18EPYT	K	WUT5XGGA/22GGF	WUNTIA/00008	E
Key:				
A All switch positions OFF				
B Position 4 ON; all others OFF				
C Position 5 ON; all others OFF				
D Positions 1 and 5 ON; all others OFF				
E Positions 4 and 5 ON; all others OFF				

**Table 2: DIP Switch Positions for Machines Requiring an External Transmit Button**

<b>Processor Board</b>	<b>Machine Software Versions</b>	<b>DIP Switch Setting</b>
<b>Washer-extractor Models other than Fxx</b>		
8088	All	C
80186	98000-98003	C
	98004-99004	not supported
	99005-9900B	D
	20000-20003	D
<b>FxW, FxP, FxN, FxS, and FxR Washer-extractor models</b>		
8088	All	C
80186	98000-98003	C
	98004-98009	not supported
	9800A-9800H	D
	20000-2000B	D
	2100F and later	D
<b>Textile and Dye Machine Models</b>		
8088	All	C
80186	95000-95305M	C
	95305N-95306	D
	20000-20004	D
<b>Dryer Models</b>		
8088	All	C
80186	All	C
<b>Centrifugal Extractor Models</b>		
8088	All	C
80186	All	C
<b>Single-station Press Models</b>		
8088	All	C
<b>Key:</b> <div> A All switch positions OFF  B Position 4 ON; all others OFF  C Position 5 ON; all others OFF  D Positions 1 and 5 ON; all others OFF  E Positions 4 and 5 ON; all others OFF </div>		

**Table 3: DIP Switch Positions for Machines NOT Requiring an External Transmit Button**

Processor Board	Software Version	DIP Switch Setting
Miltron Controller for CBW System		
8088	All	A
80186	All	B
Miltrac		
8088	All	A
80186	All	B
Milrail Rail Controller		
8088	All	A
80186	All	B
Device Master		
8085	All	not supported
8088	All	not supported
80186	94000-94017	not supported
	94018	B
	20000-present	B
Linear Costo Master		
8085	All	not supported
8088	All	not supported
80186	94000-94011	not supported
	20000-present	B
Key:		
A	All switch positions OFF	
B	Position 4 ON; all others OFF	
C	Position 5 ON; all others OFF	
D	Positions 1 and 5 ON; all others OFF	
E	Positions 4 and 5 ON; all others OFF	

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