

Software Information Sheet



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General Information

Model Name:	DBV-30		SW.Reg. No. :	-	EO#3939	
SW. Name:	DBV-30		Date: (mm,dd,yyyy)	09.03.2008	Rev:	C1
SW. Version:	V1.14		Note:			
Country (Code):	United States of America (USA)		Guide:	None		
Currency:	Dollar		Check Sum:	F8C6		
Direction:	2-Way (Face-up directions)		Kobetron ID:	17A3		
			CRC (Seed= 0000):	None		
Denomination:	Denomi.	Printed	Issued	MRI#		
Years &	\$1	'95 - '03	-	USD1.1		
MRI Ident #	\$5	'93 - '06	-	USD5.1, 2, 3		
	\$10	'99 - '04	-	USD10.2, 3		
	\$20	'93 - '04	-	USD20.1, 2, 3		
Barcode Ticket:	Not Accepted.					
EPROM:	512 Kbit, 70 nano-second data acces, or faster. ST Part M27C512-70					
Modifications:	<p>(Version 1.11 → 1.14) – 09/2008</p> <ul style="list-style-type: none"><u>Machine Operation:</u> Modified dip switch #7. Dip switch #7 “Off” – Reject non-magnetic notes. Dip switch #7 “On” – Accept non-magnetic notes but do not send “Vend” signal. <p>(Version 1.10 → 1.11) – 02/2008</p> <ul style="list-style-type: none"><u>Banknote Recognition:</u> Added the next generation \$5 (2006 Series) notes. (Being released March 2008).<u>Banknote Recognition:</u> Removed the old \$10 banknote acceptance (1993~1995 Series). <p>(Version 1.09 → 1.10) – 04/2006</p> <ul style="list-style-type: none"><u>Banknote Recognition:</u> Added circulation data for the NN\$10.<u>Machine Operation:</u> Deleted the insert note direction setting from Dip SW #5.<u>Machine Operation:</u> Added the string detection operation function on Dip SW #5. <p>(Version 1.08 → 1.09) – 11/2005</p> <ul style="list-style-type: none"><u>Banknote Recognition:</u> Added next generation \$10 banknote.<u>Banknote Recognition:</u> Improved acceptance for all denominations by adding more data. <p>(Version 1.07 → 1.08) – 05/2005</p> <ul style="list-style-type: none"><u>Machine Operation:</u> When DIP SW #7 is ON, following power-up, the DBV-30 will enable after a 15 minute delay. <p>(Version 1.06 → 1.07) – 05/2005</p> <ul style="list-style-type: none"><u>Machine Operation:</u> When a banknote is accepted and passes the lever, DBV will reverse the motor for 2 seconds; if nothing is detected then send pulse output signal. If the Left / Right validation sensors or the lever sensors detect anything, then the DBV will enter an error state and disable for 15 minutes.<u>Machine Operation:</u> While the DBV is sending the pulse output signal, another banknote will not be drawn in. (Transport disabled).					

Modifications Cont:	<ul style="list-style-type: none"> • Interface: While sending the pulse output signal, if the DBV detects something at the Left / Right or Lever sensors then the DBV will stop sending the pulse output signal, enter an error state and disable for 15 minutes. (12 flashes at the Red LED on the side of the unit). • Machine Operation: If the Lever does not return to the off position then reverse the motor and return the banknote. • Machine Operation: While sending the pulse output signal, if a second note is detected at the entrance, then reverse the motors and reject it. (Detected within first 40 mm of the path). • Machine Operation: While sending the pulse output signal, if something is detected by the Left / Right sensors then the DBV will hold the note, enter an error state and disable for 15 minutes. • Machine Operation: While the DBV is Idle, if the Left / Right sensors turn on, then the DBV will assume that pull back is being attempted, enter an error state and disable for 15 minutes. <p>(Version 1.05 → 1.06) – 06/2003</p> <ul style="list-style-type: none"> • Banknote Recognition: Added recognition of “Next Generation” \$20 bills. <p>(Version 1.04 → 1.05) – 10/2000</p> <ul style="list-style-type: none"> • Banknote Recognition: Improved new \$5, \$10 and \$20 acceptance. <p>(Version 1.04) – 06/2000</p> <ul style="list-style-type: none"> • Interface: Initial release, new software.
Memo:	<ul style="list-style-type: none"> • Banknote Recognition: Low security for all denominations.

Dip Switch Settings

#	Dip Switch				
1	OFF ON	Pulse Space Width: 300ms Pulse Space Width: 50ms			
2	OFF ON	SW2	SW3	SW4	Number of pulse
		OFF	OFF	OFF	1 Pulse / \$
		ON	OFF	OFF	2 Pulses / \$
3	OFF ON	OFF	ON	OFF	3 Pulses / \$
		ON	ON	OFF	4 Pulses / \$
		OFF	OFF	ON	5 Pulses / \$
		ON	OFF	ON	8 Pulses / \$
4	OFF ON	OFF	ON	ON	10 Pulses / \$
		ON	ON	ON	20 Pulses / \$
5	OFF ON	In case of a Fishing condition (*), stop pulse output and return to idling status. In case of a Fishing condition (*), stop pulse output and keep INHIBIT status for 15 minutes.			
6	OFF ON	Denomination pulse interval: 50ms Denomination pulse interval: 450ms			
7	OFF ON	Reject Non-Magnetic notes Accept Non-Magnetic notes (No Vend signal)			
8	OFF ON	TEST MODE			

***Fishing (Stringing) Conditions**

1. When the Left/Right Sensor and the Vend Lever are ON (a piece of paper is detected) during the IDLING.
2. When the Left/Right Sensor and the Vend Lever are ON (a piece of paper is detected) while checking the reverse transportation (after passing the Vend Lever).
3. When the Left/Right Sensor and the Vend Lever are ON (a piece of paper is detected) while sending the Vend signal.