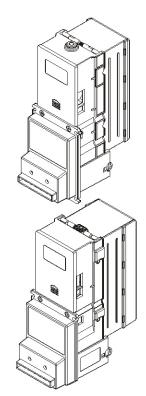


- 4 Way Acceptance
- Low Maintenance
- Easy Installation
- Re Programmable Flash ROM
- Auto Self -Adjusting Sensor System
- Saving Power





International Currency Technologies

43010 Osgood Rd. Fremont, CA 94539

Tel: (510) 353-0289 Fax: (510) 353-0399

E-mail :sales@ict-america.com Website : www.ict-america.com

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S6 Bill Validator Specifications

Acceptance Rate

96% or greater

Bill insertion

4-way Acceptance

Acceptance Speed

Approx. 3 seconds (including bill stacking)

Interfaces

Pulse

Bill box Capacity

Approx. 300 bills (200~300) 500 bills (300~500) 800 bills (750~850) Weight

Approx. 2kg (shipping)

Power Sources

12V DC ± 10% (9V ~15V DC) ★

Power Consumption

 $Action\ mode\ 12V\ ,\ 2A\ (peak),\ 650mA\ (average)$

Standby mode 9V~15V DC

Power saving mode 12V , approx. $40\,\mu\text{A}$

Environment Range

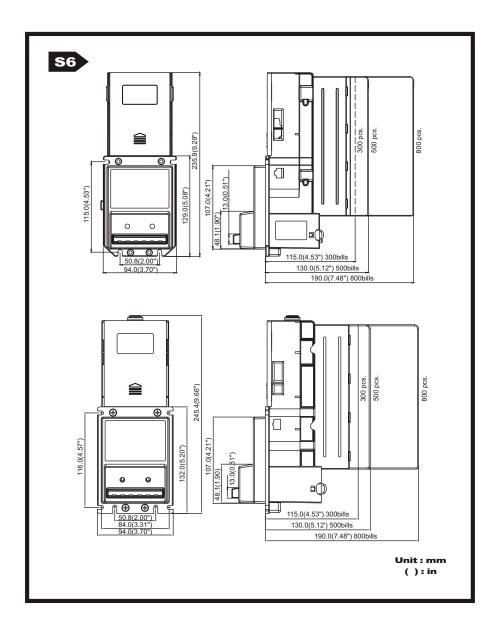
Operating Temperature : -10°C~50°C Storage Temperature : -30°C~70°C

Humidity: 30%~85% RH (no condensation)

(★) We recommend the input has to be 12V DC.

If the input is lower than 9V DC, the machine may be shut down.

If the input is higher than 15V DC, the machine may be break down.



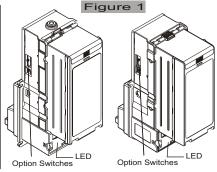
The Front LED

The two LED lights located at the front of the unit will show the operational status of the bill validator. The LED lights will flash ON and OFF (in 500ms intervals) when the unit is ready to accept bills. The LED lights will be OFF if the unit is disabled, out of service or in power saving mode.

The bill validator can only accept one bill at a time. The LED lights will be OFF and will not accept another bill while a bill is being validated in the unit. The LED lights will start to flash normally when the bill validator is ready to accept the next bill. In power saving mode, although the LEDs are off, the bill validator in still ready for accepting a bill.

The Back LED Status

DIAGNOSTICS LED ON=OK	(GREEN LED) LED OFF=POWER OFF
FLASHES	STATUS
1	bill jammed
2	disabled from system
3	sensor problem
4	reserved
5	bill box is removed
6	bill box is full of money



Note:

In addition to the 30-pin connector, there is also an 8-pin RJ-45 connector on the side of the bill validator designed for the purpose of downloading programs and updating validation software. The connector will be kept open under normal operation of the bill validator. It will only be used when a new software or programs need to be downloaded into the flash ROM. The pin-out assignments of the 8-pin RJ-45 connector are as follows:

Pin 1 - GND	Pin 5 - /RESET
Pin 2 - TXD2	Pin 6 - VCC
Pin 3 - RXD2	Pin 7 - RXD1
Pin 4 - PROGRAM	Pin 8 - TXD1

S6 Pin-out Assignments (M.D.B. System for 12V DC)

For the MDB interface S6 bill validator, connect the 30-pin peripheral connector on one end of the harness to the side of the unit and the standard 6-pin MDB connector to the power/interface connector.

The standard 6-pin MDB connector pin-out assignments:

Pin 1 - +12 VDC (POWER IN)

Pin 2 - GND (POWER RETURN)

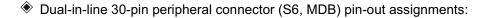
Pin 3 - WAKE UP

Pin 4 - MASTER RECEIVE (MDB MASTER RxD)

Pin 5 - MASTER TRANSMIT (MDB MASTER TxD)

Pin 6 - COMMUNICATIONS COMMON (MDB_GND)





	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
	Pin	1 - F	Rese	ervec	i				Pin 16 - Reserved								
Pin 2 - Reserved.									Pin 17 - WAKE_UP								
	Pin	3	۱12 ا	/DC					Pir	า 18	- Re	serv	ed				
	Pin	4 - F	Rese	ervec	ł				Pir	า 19	- Re	serv	'ed				
	Pin	5 - F	Rese	ervec	ł				Pin 20 - GND								
	Pin	6 - I	ИDВ	_MA	STE	R_F	RxD		Pin 21 - Reserved								
	Pin	7 - F	Rese	ervec	ł				Pin 22 - Reserved								
	Pin	8 - F	Rese	ervec	ł				Pin 23 - Reserved								
	Pin	9 - F	Rese	ervec	ł				Pin 24 - Reserved								
	Pin 1	0 - F	Rese	rvec	ł				Pin 25 - Reserved								
	Pin 1	1 - F	Rese	rved	l				Pin 26 - Reserved								
	Pin 1	2 - F	Rese	rvec	ł				Pin 27 - Reserved								
	Pin 1	3 - F	Rese	rvec	ł				Pin 28 - MDB_GND								
Pin 14 - MDB_MASTER_TxD									Pir	า 29	- Re	serv	ed				
	Pin 1	5 - F	Rese	rvec	i				Pir	1 30	- Re	serv	ed				

CAUTION: Turn off the power before connecting or disconnecting the bill validator.

S6 Pin-out Assignments (Service Pulse for 12V DC)

For the **12V DC** version of the S6 bill validator, the harness(WEL-V707) has a dual-in-line 30-pin peripheral connector at one end and a 9-pin mating connector at the other end. Connect the 30-pin connector to the side of the bill validator and the 9-pin mating connector to the 12V DC power cable(WEL-V708).

9-pin mating connector pin-out assignments:

Pin 1 INHIBIT + Pin 6 Reserved
Pin 2 INHIBIT - Pin 7 CREDIT
Pin 3 SERVICE + Pin 8 Reserved
Pin 4 SERVICE - Pin 9 GND

Pin 5 +12V DC (Power Return)

(Power In)

Pin 15 - Reserved

*Cable Order No. : WEL-V707(3-BA-A7V7-71)

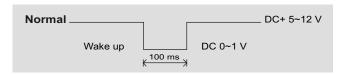
♦ Dual-in-line 30-pin peripheral connector pin-out assignments:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
	Pin	1 - 3	SER	VIC	Ε-			Pin 16 - Reserved										
	Pin	2 -	SER	VIC	E +				Pin 17 - Reserved									
Pin 3 - +12V DC(Power In)									Pin 18 - INHIBIT -									
	Pin	4 -	INHI	BIT	+				Pi	n 19	- Re	eser	ved					
Pin 5 - KEY								Pin 20 - GND (Power Return)										
Pin 6 - Reserved									Pin 21 - KEY									
Pin 7 - Reserved									Pin 22 - CREDIT									
Pin 8 - Reserved									Pin 23 - Reserved									
	Pin	9 -	Rese	erve	d				Pin 24 - Reserved									
Pin 10 - GND									Pi	n 25	- Re	eser	ved					
Pin 11 - Reserved								Pin 26 - Reserved										
Pin 12 - Reserved								Pin 27 - Reserved										
Pin 13 - Reserved								Pi	n 28	- Re	eser	ved						
Pin 14 - Reserved									Pi	Pin 29 - Reserved								

CAUTION: Turn off the power before connecting or disconnecting the bill validator.

S6 Wake_up Signal

When S6 takes the bill, it sends a signal through "Wake_up" pin as below:

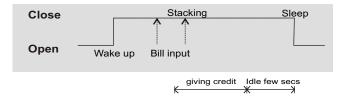


S6 Service Signal (It works like a switch)

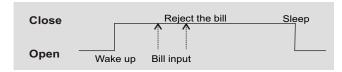
1. Condition 1: When B.A. wakes up and does not take any bill.



2. Condition 2: When B.A. takes a true bill.



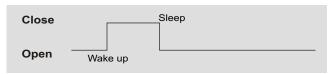
3. Condition 3: When B.A. rejects a fake note.



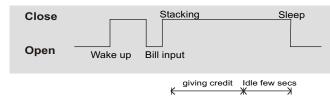
Pin 30 - Reserved

S6 Service Signal for ICA Only (It works like a switch)

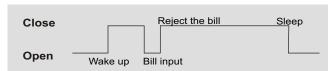
1. Condition 1: When B.A. wakes up and does not take any bill.

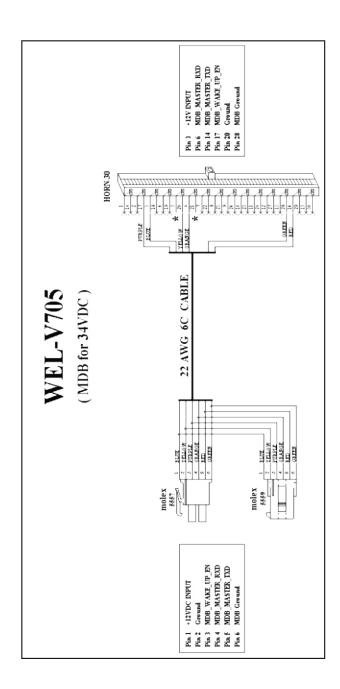


2. Condition 2: When B.A. takes a true bill.



3. Condition 3: When B.A. rejects a fake note.





Cable

