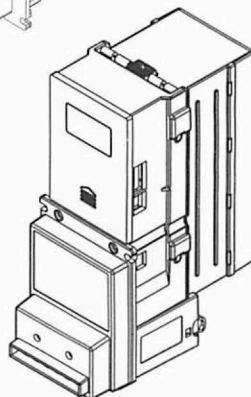
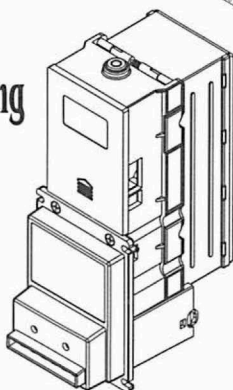
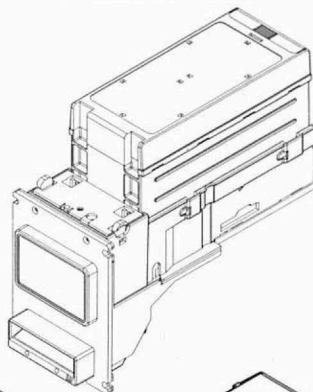


A6-USD2 has ONE bank of 8 switches

Bill Validator

A6&V6 Series Installation Guide

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



ict

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E-mail : sales@ict-america.com

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A6-USD2

NOTE: Fun Stop Photos does not give change.
 Accepting \$1 and \$5 bills, only, is recommended.

○ = Fun Stop Photos default setting

A6 Option Switch Settings:(Pulse)

Supported bill US\$ 1, 5 2bills.

FUNCTION	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
★ Reject US\$ 1	ON							
★ Accept US\$ 1	○ OFF							
★ Reject US\$ 5		ON						
★ Accept US\$ 5		○ OFF						
★ 1 pulse / one dollar			○ OFF	○ OFF				
2 pulse / one dollar			ON	OFF				
4 pulse / one dollar			OFF	ON				
20 pulse / one dollar			ON	ON				
★ Pulse Speed	50ms on / 50ms off				○ OFF	○ OFF		
	60ms on / 300ms off				ON	OFF		
	30ms on / 50ms off				OFF	ON		
	150ms on / 150ms off				ON	ON		
★ Harness disable							○ ON	
★ Harness enable							OFF	
★ Inhibit Active High								○ ON
Inhibit Active Low								OFF

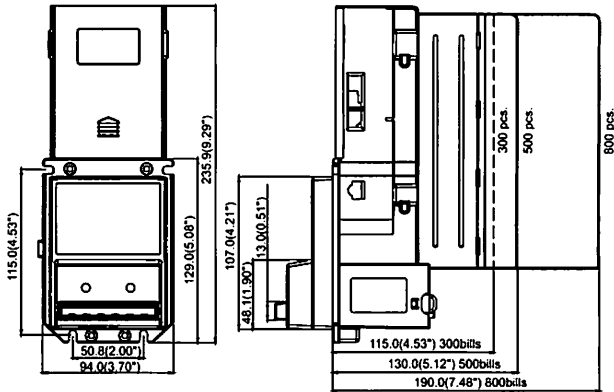
Note : (1) Reset the bill acceptor after setting the dip switch.

(2) SW3~SW8 of the 8-switch DIP are for pulse protocol only.

Contents

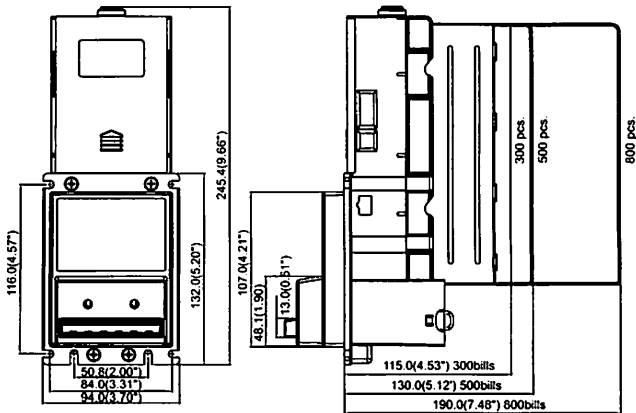
(1) A6 / V6 Bill Validator Specifications	2
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► **Vertical**
(Sliding Block)



Unit : -mm
() : in

(Push Button)



Unit : -mm
() : in

(3) LED Display

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 or out of service, in which case the unit will not accept any bills.

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.

(4) LED Status

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
LED ON	POWER ON
LED OFF	POWER OFF

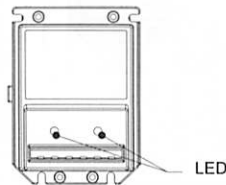
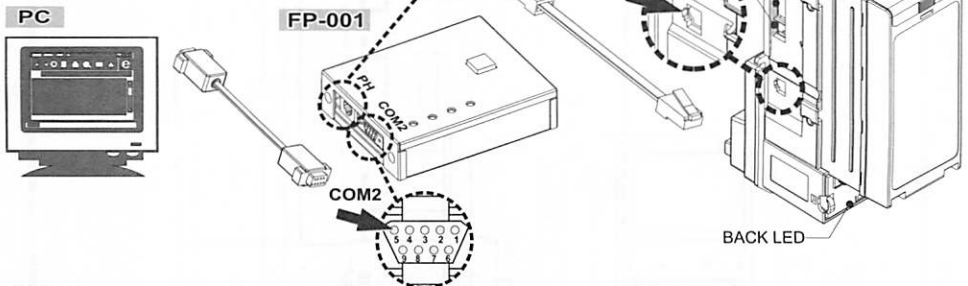


Figure 1



(5) Download and Upgrade

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 program need to be downloaded into the flash ROM. (Figure 1)

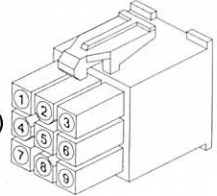
(6) 6-1

A6 Pin-out Assignments (S.T.D. Pulse for 12V DC)

For the **12V DC** version of the A6 bill validator, the harness (*part no. WEL-M007*, see page.11 for pin-out information) 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 harness (*part no. CU-961-1*, see page. 9 for pin-out information).

◆ 9-pin mating connector pin-out assignments:

Pin 1 INHIBIT +	Pin 6 Reserved
Pin 2 INHIBIT -	Pin 7 CREDIT_RELAY(N.O.)
Pin 3 Reserved	Pin 8 CREDIT_RELAY(Common)
Pin 4 Reserved	Pin 9 GND (Power)
Pin 5 12V DC (Power)	



◆ Dual-in-line 30-pin peripheral connector (A6, 12V DC) 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 - CREDIT_RELAY(Common)	Pin 16 - CREDIT_RELAY(N.O.)
Pin 2 - 12VDC (Power)	Pin 17 - Reserved
Pin 3 - ENABLE -	Pin 18 - ENABLE +
Pin 4 - Reserved	Pin 19 - KEY
Pin 5 - INHIBIT +	Pin 20 - INHIBIT -
Pin 6 - KEY	Pin 21 - Reserved
Pin 7 - Reserved	Pin 22 - Reserved
Pin 8 - Reserved	Pin 23 - Reserved
Pin 9 - Reserved	Pin 24 - Reserved
Pin 10 - GND (Power)	Pin 25 - Reserved
Pin 11 - Reserved	Pin 26 - Reserved
Pin 12 - Reserved	Pin 27 - Reserved
Pin 13 - Reserved	Pin 28 - Reserved
Pin 14 - Reserved	Pin 29 - Reserved
Pin 15 - Reserved	Pin 30 - Reserved

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

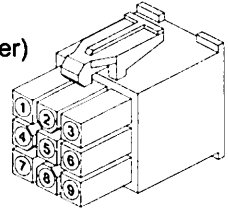
(6) 6-2

A6 Pin-out Assignments (S.T.D. Pulse for 117V AC)

For the 117V AC version of the A6 bill validator, connect the 30-pin peripheral connector on one end of the harness (*part no. WEL-M008*, see page.12 for pin-out information) to the side of the unit and the 9-pin mating connector to the 117V AC power harness (*part no. WEL-M010 and WEL-M012*, see page.13,14 for pin-out information).

◆ 9-pin mating connector pin-out assignments:

Pin 1 NEUTRAL INHIBIT	Pin 6 117VAC NEUTRAL(Power)
Pin 2 NEUTRAL ENABLE	Pin 7 CREDIT_RELAY(N.O.)
Pin 3 HOT ENABLE	Pin 8 CREDIT_RELAY (Common)
Pin 4 117VAC HOT (Power)	Pin 9 Reserved
Pin 5 Earth - Ground	



IMPORTANT: On 117V AC units, the Earth Ground must be located inside the machine.

◆ Dual-in-line 30-pin peripheral connector (A6, 117V AC) 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 - CREDIT_RELAY(Common)	Pin 16 - CREDIT_RELAY(N.O.)
Pin 2 - Reserved	Pin 17 - Reserved
Pin 3 - NEUTRAL ENABLE	Pin 18 - HOT ENABLE
Pin 4 - 117VAC NEUTRAL(Power)	Pin 19 - KEY
Pin 5 - NEUTRAL INHIBIT	Pin 20 - 117VAC HOT(Power)
Pin 6 - KEY	Pin 21 - EARTH GROUND
Pin 7 - Reserved	Pin 22 - Reserved
Pin 8 - Reserved	Pin 23 - Reserved
Pin 9 - Reserved	Pin 24 - Reserved
Pin 10 - Reserved	Pin 25 - Reserved
Pin 11 - Reserved	Pin 26 - Reserved
Pin 12 - Reserved	Pin 27 - Reserved
Pin 13 - Reserved	Pin 28 - Reserved
Pin 14 - Reserved	Pin 29 - Reserved
Pin 15 - Reserved	Pin 30 - Reserved

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

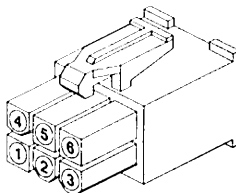
(7) 7-1

V6 Pin-out Assignments (M.D.B. System for 34V DC)

For the MDB interface V6 bill validator, connect the 30-pin peripheral connector on one end of the harness (*part no. WEL-M006*, see page.10 for pin-out information) 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 - 34 VDC
- Pin 2 - 34 VDC Power Return
- Pin 3 - N/C
- Pin 4 - Master Receive
- Pin 5 - Master Transmit
- Pin 6 - Communications Common



◆ Dual-in-line 30-pin peripheral connector (V6, MDB) 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

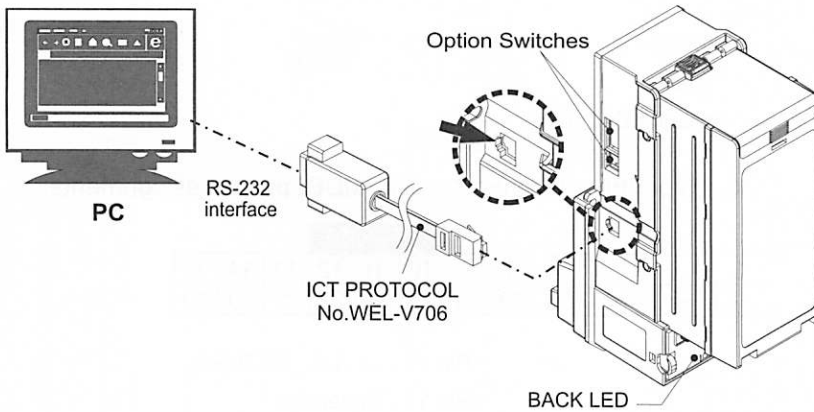
- | | |
|-------------------------|-----------------------|
| Pin 1 - Reserved | Pin 16 - 34VDC_RETURN |
| Pin 2 - Reserved. | Pin 17 - Reserved |
| Pin 3 - Reserved | Pin 18 - Reserved |
| Pin 4 - Reserved | Pin 19 - Reserved |
| Pin 5 - KEY | Pin 20 - Reserved |
| Pin 6 - MDB_MASTER_RXD | Pin 21 - KEY |
| Pin 7 - Reserved | Pin 22 - Reserved |
| Pin 8 - Reserved | Pin 23 - +34VDC |
| Pin 9 - Reserved | Pin 24 - Reserved |
| Pin 10 - Reserved | Pin 25 - Reserved |
| Pin 11 - Reserved | Pin 26 - Reserved |
| Pin 12 - Reserved | Pin 27 - Reserved |
| Pin 13 - Reserved | Pin 28 - MDB_GND |
| Pin 14 - MDB_MASTER_TXD | Pin 29 - Reserved |
| Pin 15 - Reserved | Pin 30 - Reserved |

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

(8) A6 Pin-out Assignments (I.C.T. Protocol)

The cable for ICT Protocol (*part no. WEL-V706*, see page. 17 for pin-out information) connector on one end and a 9-pin PC connector on the other end. To connect, plug the RJ-45 connector into the RJ-45 socket on the side of the BA and connect the 9-pin PC connector to the COM port of a PC (Figure 2).

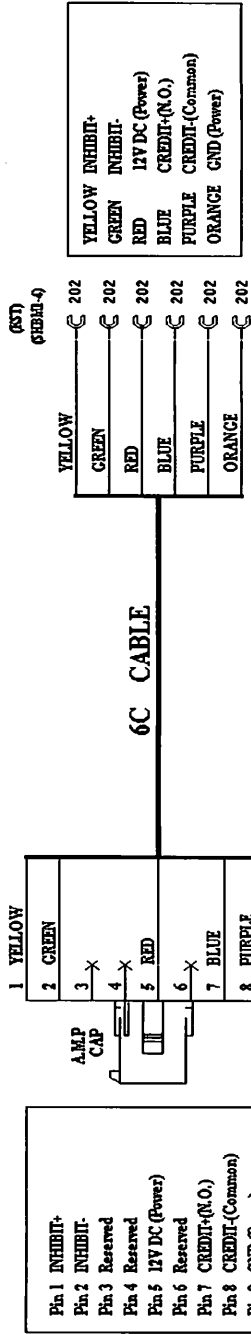
Figure 2



(9) Cable

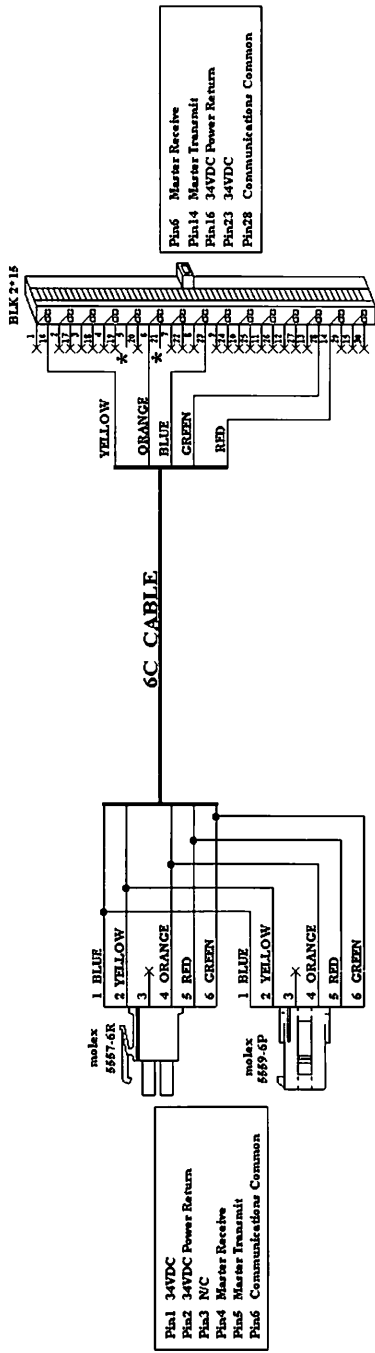
CU-961-1

(S.T.D. pulse FOR 12 VDC)



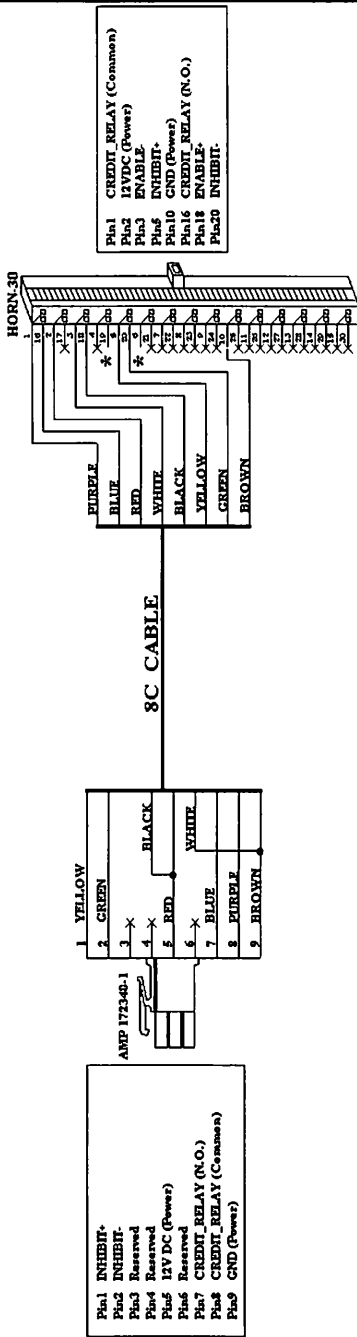
WEL-M006

(M.D.B. System for 34V DC)



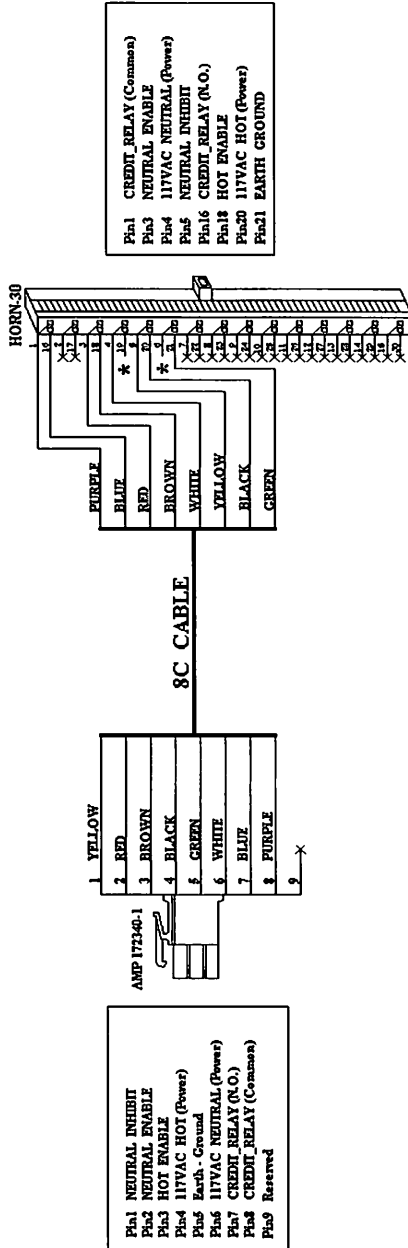
WEL-M007

(S.T.D. Pulse for +12VDC)



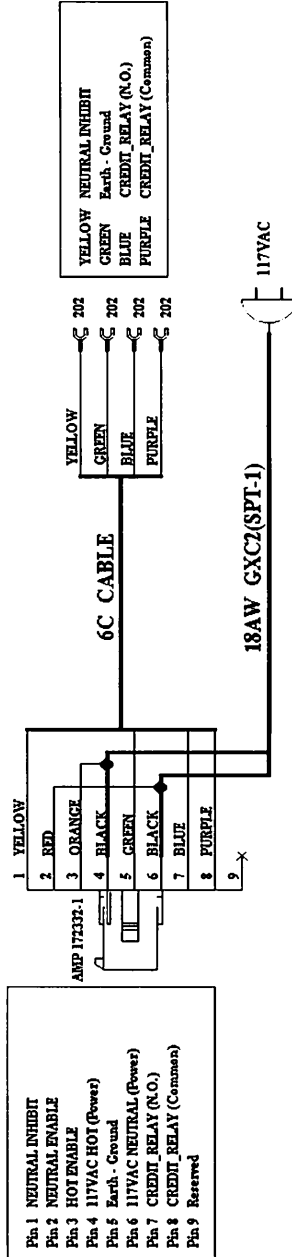
WEL-M008

(S.T.D. Pulse for 117VAC)



WEL-M010

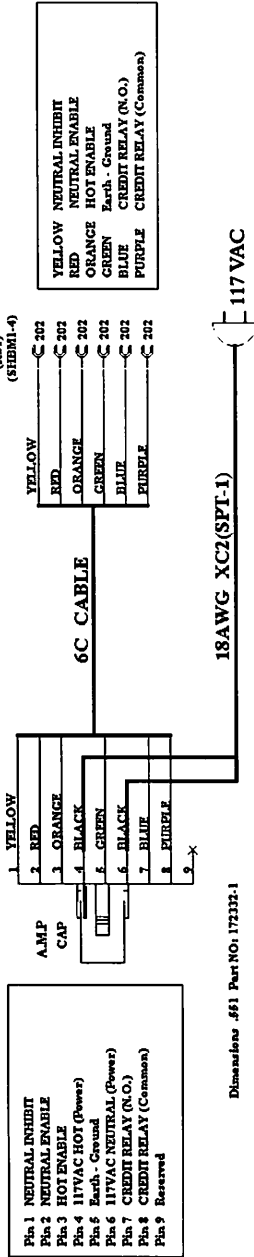
(S.T.D pulse FOR 117 VAC)



(Option)

WEL-M012

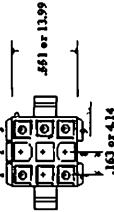
(S.T.D pulse FOR 117 VAC)



Dimension .561 Part NO: 17232-1

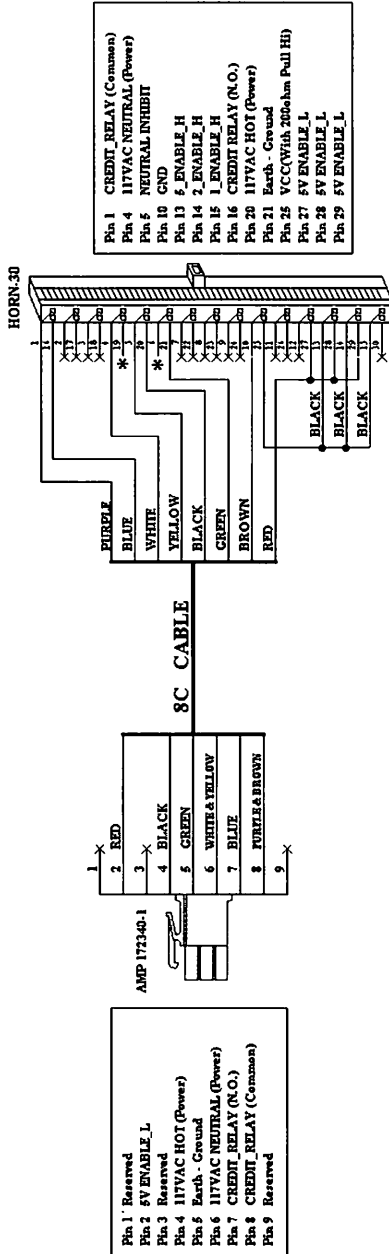
TERMINAL NO: 170360-1

(Back view)



WEL-M017

(S.T.D pulse + 5V ENABLE For 117VAC)

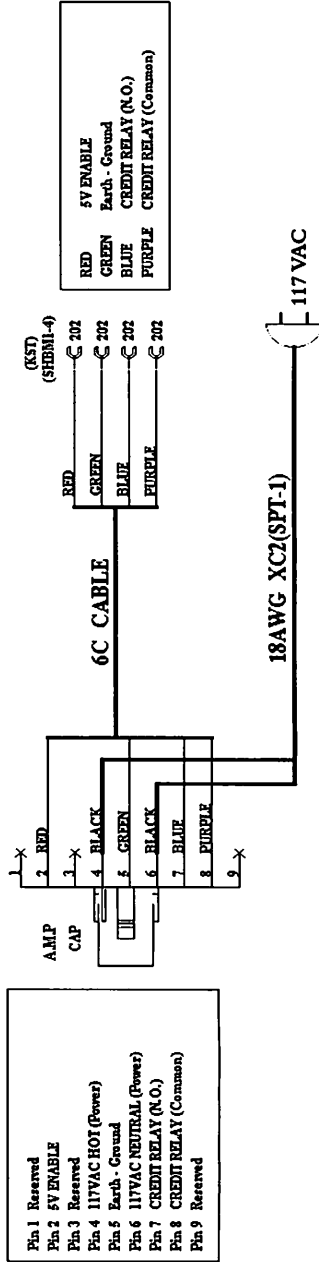


(Must use WEL-M018)

(Option)

WEL-M018

(S.T.D pulse + 5V ENABLE For 117VAC)



(Must use WEL-MO17)

(Option)

WEL-V706

(I.C.T. Protocol)

