Cashflow SC66 Install Guide

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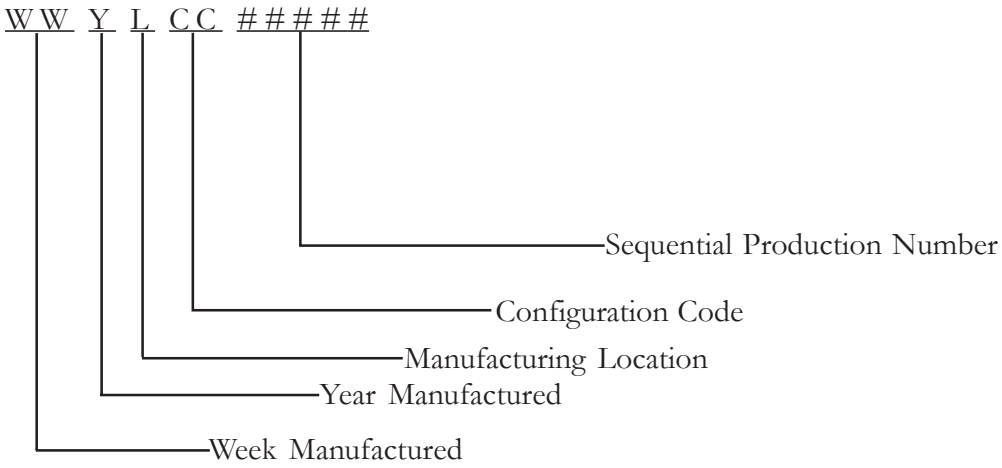
OVERVIEW

Model Number

SC66 XX X — " " Flash Unit
"P" Prom Unit

00- OEM Configurable (No Harness)
02- OEM Proprietary
04- Opto Isolated EBDS
07- RS232 EBDS

Serial Number



OVERVIEW

OVERVIEW

Features

1. LIGHT BAR
2. LENSED RECEIVER
3. CUSTOM BAR-CODE READER
4. 100 MHZ DSP PROCESSOR
5. EARLY BILL PICK-UP
6. SMOOTH SEALED BILL PATH
7. DIRECT ROLLER DRIVE
8. RIDGES MATE WITH ACCEPTOR
9. INTERNAL DIRECT ROLLER DRIVE ELEVATOR
10. SHORT BILL PATH
11. DURABLE WELDED PLASTIC EXTERIOR
12. RECESSED PLASTIC GEARS
13. DUAL LOCK CAPABILITY
14. COMMON ACCEPTOR MODULES
15. PC STYLE EDGE CONNECTOR INTERFACE CARDS
16. ACCEPTOR RELEASE LATCH
17. BILL PATH RELEASE
18. DISPUTE RESOLUTION WINDOW
19. BILL ENTRY GUIDE & POWER MOUNTING
20. CONFIGURATION BUTTON
21. DIAGNOSTIC LEDS
22. USB SERVICE PORT
23. ACCEPTOR USER INTERFACE
24. FLEXIBLE HANDLE
25. PASSIVE CASHBOX LATCHES

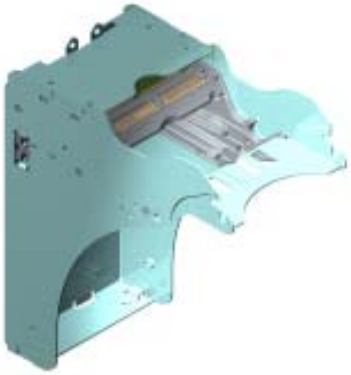
OVERVIEW

Parts of the Cashflow SC66 Bill Acceptor

The SC66 consists of three main components

Cashbox/LRC

Acceptor Module



Chassis

The Acceptor Module and Cashbox are interchangeable with other identical SC66 models.

Bill Entry Guides for the SC66

Not all bill entry guides fit in every machine. Your choice regarding bill entry guides will depend on machine specifications. Below are two bill entry guides that we currently manufacture. For customers who prefer to tool their own bill entry guide, please contact our technical department.

Platform Bill Entry Guide

Universal Bill Entry Guide

Specifications

Power consumption:

Standby:	10 Watts
Acceptance:	Peak 30 Watts
Stacking:	Peak 70 Watts

Input Voltage

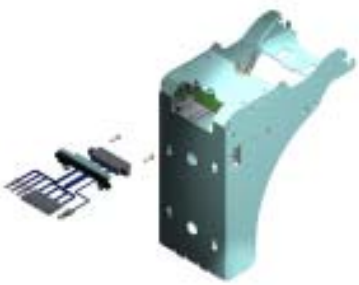
+12-28 VDC

INSTALLATION

ALWAYS POWER DOWN MACHINE PRIOR TO INSTALLATION.

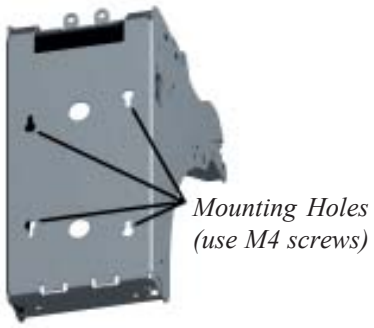
The cashbox does not lock to the chassis. When you remove the unit from the container or when the unit is not installed in the machine, you must never carry the bill acceptor by the handle of the cashbox. The cashbox may release causing the rest of the unit to fall and damage the chassis.

Installing The Chassis



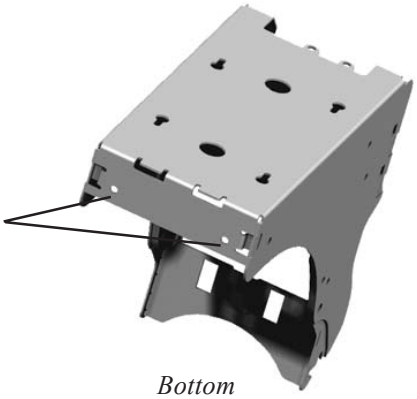
• A custom connector will come screwed to the back of the Chassis (see Interface Manual 002850103 for more details). Connect the adapter from the chassis to the machine. Always dress all harness wires to avoid interference with any equipment operation.

Note: If you have a custom set-up. You will need to contact our technical support group for assistance.



Back

Side



Bottom

• Once the connections are made, you will need to line up the chassis mounting holes with the machine mounting holes. There are 12 mounting holes. Three on each side of the chassis, four located on the back and two on the bottom. M4 screws must be used. Screws must not exceed a 6mm depth through the mounting plate. Otherwise they may interfere with the removable cashbox.

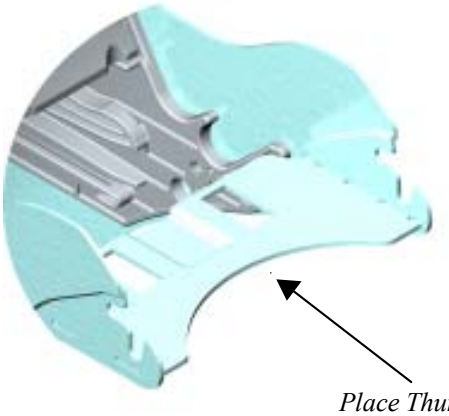
Installing The Cashbox

• With the chassis mounted securely to the machine, you may now insert the cashbox into the chassis. The cashbox has slots on both sides that will guide it into the chassis. When you insert the cashbox, you will feel some resistance from the two springs inside the chassis. Make sure to insert the cashbox all the way in so that the rear of the cashbox is flush against the chassis wall.

INSTALLATION

Removing the Cashbox

- When the bill acceptor is installed in a machine, you just need to grab the yellow strap on the cashbox and pull firmly to release it. The cashbox does not lock on to the Chassis.



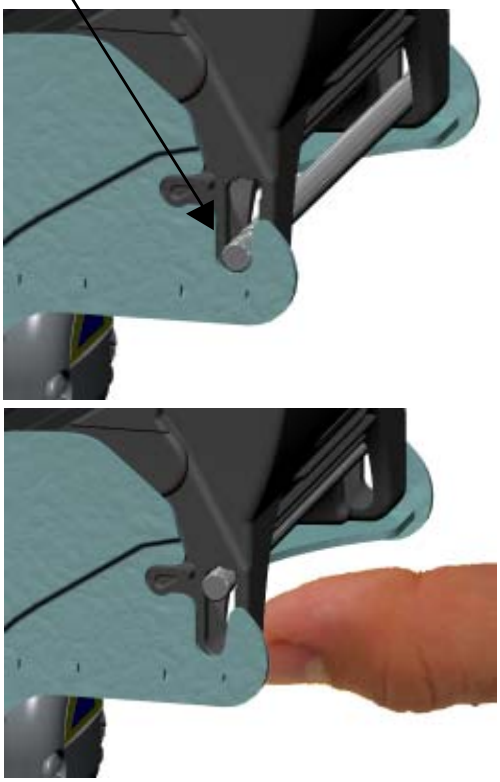
Place Thumb Here

- To remove the cashbox when the unit is not installed, grab on to the yellow handle and place your thumb on the chassis were indicated in this diagram. Placing your thumb at this location will give you sufficient leverage to remove the cashbox.

Inserting And Removing the Acceptor Module

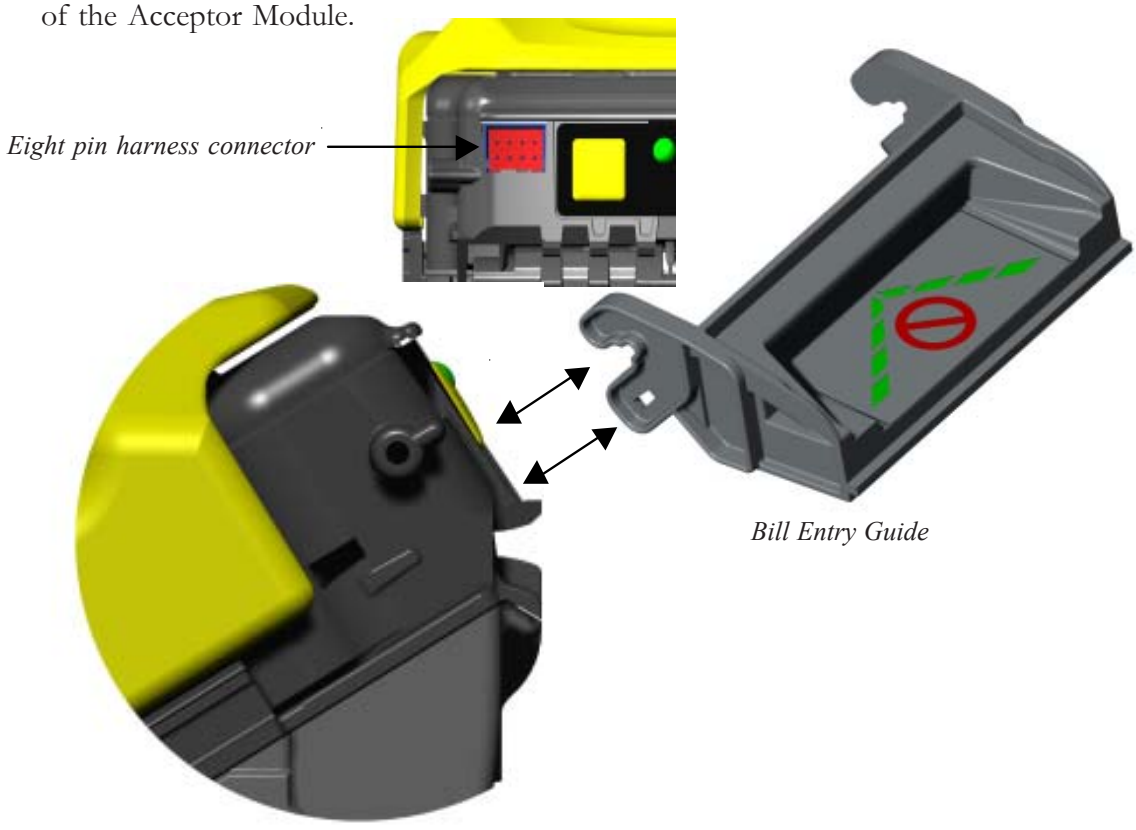
- Insert the Acceptor Module so that the release lever locks into place.

- To remove the unit, pull upwards on the release lever located on the front of the Acceptor Module and pull away from the chassis.



Installing The Bill Entry Guide

• To install the bill entry guide, just slide onto the Acceptor Module until it locks into place. No screws are required. If the bill entry guide has lights, you will have to first connect the harness from the bill entry guide to the eight pin connector located on the left hand side of the face of the Acceptor Module.



INSTALLATION

The cashbox may be fitted with either one or two security locks. The product is designed to accept locks from a range of manufacturers including: -

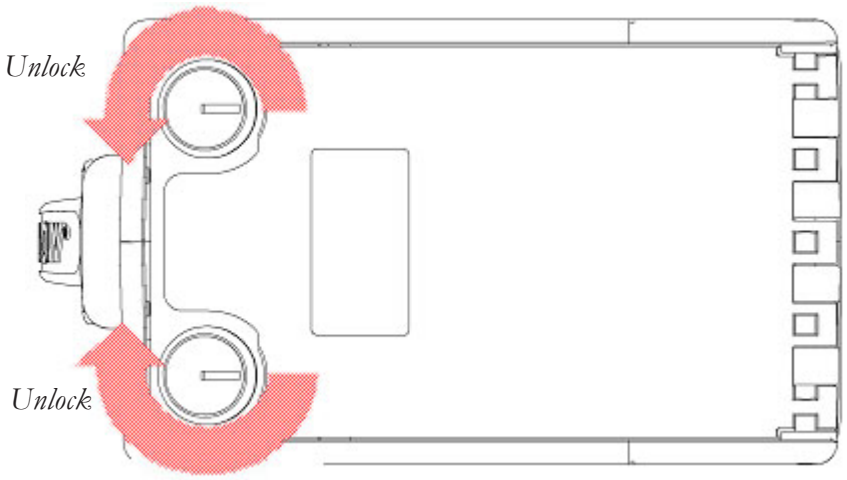
Medeco
Kaba
Abiloy
VSR
Miwa
Duo

Standard 5/8" and 1-1/8" formats are supported. There is a significant variety of lock designs, and spacer washers may be required for some lock types. Two locking hasps are shipped with every cashbox. Contact MEI for cashbox lock specifications.

Locks vary greatly in price, security, keying policies, etc. The customer is responsible for selecting a lock with performance that is fit for the intended purpose. MEI does not test or endorse any specific brand of lock for security characteristics.

When only one lock is used, the remaining blank hole does not give access to the contents of the cashbox. However, some regulatory authorities may require a blanking plug be fitted. Contact MEI for assistance in obtaining a suitable plug.

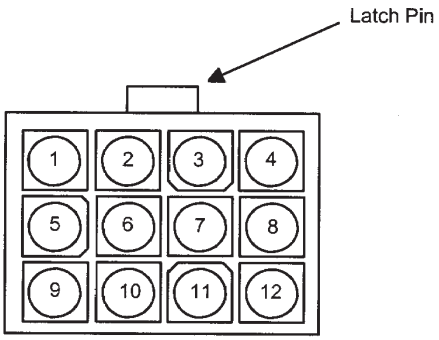
When two locks are installed, they must rotate in opposite directions. See the figure below.



Top View of Cashbox

HARNESSING AND CONNECTORS

Cashflow SC66 bill acceptors with an EBDS Interface will have a harness that terminates with a 12 Pin Connector.



12 Pin Chassis Docking Station Connector (End View)

RS232 EBDS version

Connector Pin #	Wire Color	Signal	P2 pinSee 4.1
1	White		10
2	Gray		12
3	Red	———	
4	Yellow		11
5	Blue	Ground[2]	D & H
6	Pink	RS232 EBDS RXD[1]	L
7	Black	Power - [2]	2 & B
8	Purple	Led Supply	9
9	Brown	———	
10	Orange	———	
11	Green	Power +	1 & A
12	Tan	RS232 EBDS TXD[1]	K

NOTES: [1] RXD refers to input to Bill Acceptor. TXD is an output.
[2] Pins 7 and 5 are tied with a loop of wire in back of the 12pin connector.

Opto Isolated EBDS version

Connector Pin #	Wire Color	Signal	P2 pinSee 4.1
1	White	Aux A	14
2	Gray	Led -	12
3	Red	V opt	7
4	Yellow	V ret	3
5	Blue	Ground[2]	D & H
6	Pink	Isolated Reset	6
7	Black	Aux B	15
8	Purple	Led +	8
9	Brown	Isolated TXD	4
10	Orange	Isolated RXD	5
11	Green	Power +	1 & A
12	Tan	Power -	2 & B

NOTES: [1] RXD refers to input to Bill Acceptor. TXD is an output.
[2] Pins 12 and 5 are tied with a loop of wire in back of the 12pin connector.

Note: Some SC66 units will come with harness termination connectors that are "OEM-Specific." Please refer to the host machine manual for pinout and connector information.

MAINTENANCE

Periodic maintenance can improve the performance and extend the working life of a bill acceptor. Additional attention may be required if the bill acceptor becomes inoperable due to a jammed object or acceptance rates fall below normal.

Cleaning And Clearing The Bill Path and Sensor Area.

Note: You must remove the Acceptor Module from the chassis to open the front sensor area. Forcing the bill path open without removing the Acceptor Module from the chassis will damage the connector board located at the rear of the Acceptor Module.

- Release the Acceptor Module from its normal operating position.

- Open the Acceptor Module unit by pressing up on the yellow cap.

- Clear the bill path area of any foreign objects.

- Clean bill path and sensor areas as needed.

For stubborn dirt, a small amount of mild non-abrasive soap may be applied to a damp cloth. Make sure no streaks or residual from the cleaning product remain on the bill path.

Note: Never use a petroleum-based product to clean this device! Petroleum based products will damage the bill path.

Calibration

The SC66 series bill acceptor does not require any calibration in the field. Thus, the unit has no switch settings or calibration mode that allows a user to perform a calibration. If, for any reason, the unit requires calibration, it may only be done by one of our trained technicians.

MAINTENANCE

Diagnostic Codes

The chart below indicates the 15 color-coded combinations of diagnostic LEDs on the bill acceptor. For each color, there is a solid indicator and four flashing combinations. If multiple failure conditions occur, the most severe condition will be displayed.

Red conditions - Hard Fault. One of the bill acceptor components needs to be replaced.

Yellow condtions - Soft Fault The operator can correct the issue at the machine.

Green conditions - No Fault No problem with the bill acceptor.

S = Solid Light F = Flash

LED INDICATORS	STATUS	YOU NEED TO
Green S	Normal	Take no action.
Green F	Disabled by machine interface	Fix the machine condition (e.g. fill the coin hopper).
Green F F	Disabled by network interface (if applicable)	Correct the network condition.
Green F F F	Reserved	
Green F F F F	Reserved	
Yellow S	Cash-box not seated or not present	Reseat the cash-box.
Yellow F	Poor acceptance	Clean the acceptor.
Yellow F F	Jam in acceptor	Clear the jam from the acceptor.
Yellow F F F	Jam in cash-box	Remove the acceptor and try to clear jam.
Yellow F F F F	Reserved	
Red S	Cash-box full	Replace with an empty cash-box.
Red F	Acceptor hardware fault	Replace the acceptor with a programmed spare.
Red F F	Interface board hardware fault	Replace the interface board.
Red F F F	Unprogrammed unit	Program unit with a service tool.
Red F F F F	Reserved	

Note: By opening the machine door, you will disable the primary interface. The 10-second delay allows you to see a normal condition on the unit prior to the MMI display update.

MAINTENANCE