

6. General Specifications:

Currency and
Protocol:

See Software Description Document

Electrical
Specification:

Voltage	Max. Operating Current	Max. Current
24 V DC	2.5 A	4.0 A

Use only current limiting CSA or UL approved Power Supply.

Operating
Temperature:

-0 to +50 Degrees Celsius

Weight:

< 15 kg (Without Cassette)

Weight of Cassette:

2.3 kg

Features:

Multi-Width Validating Head
Bracket for Optional Lock for the Cassette
End Switch for the Cassette and Cassette Lock
End Switch to the Chassis
Metal Coin-Proof Bezel

Items

Enclosed:

Bill-to-Bill Currency Management System
User Guide
Software Description
Prepare to Operation Instruction OPT-BB-INST-1
Security Locks Installation Instruction OPT-BB-INST-3
Lock Installation Kit OPT-MKFL-FLH1
Mounting Kit for Grounding Connection OPT-MKBB-GND
Mounting Kit for Dispensing Cassette OPT-MK-BBD
Wiring Harness OPT-HS-BB-CCNET

Optional:

Sensor Box Extractor OPT-HW-FT01
Mounting Kit Outlet Connector OPT-MKBB-EA



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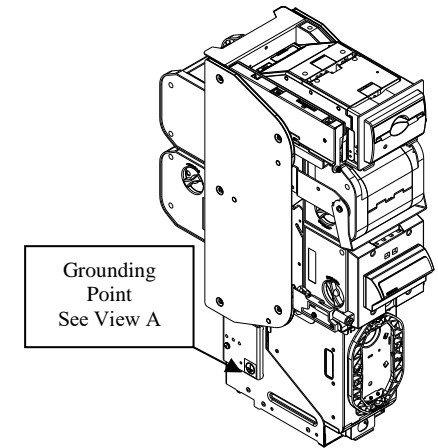
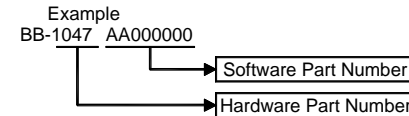
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Bill-to-Bill Currency Management System

MBB-0310

The Part Number on the Label includes Hardware Part Number and Software Part Number.



1. Assembly Contents:

Unit	Part No.	Description
Validating Head	MFLV-9013	With Multi-Width Centering Mechanism
Sense -A- Click	FLS-1706U FLS-1706L	Sense-A-Click Sensor Packs
Bezel	MFLB-7102	Metal Coin-Proof Bezel with GND
Housing	BBH-3513	1000, Lock Bracket, Cassette and Lock Switches, GND
Chassis	BBC-0110	Holder for 3 Recycling Cassettes, Dispensing Cassette and Path Switch
Dispensing Cassette	BBD-0310	Metal Bezel with GND
Recycling Cassette	BBR-0110	Storage from 80 to 110 Bills
Path Switch	BBS-0110	Separating of Bills
MFL Power Interface	FLP-5711	24 V DC
B2B Power Interface	BBP-5713	24 V DC, RS-232

2. DIP Switch Setting:

DIP switches may be accessed by removing the Validating Head and opening the transparent cover at the rear. See Software Description for correct denominations and settings.

SW No.1	ON State	OFF State	Default
SW 1.1	Bill Type 1 Enable	Bill Type 1 Disable	ON
SW 1.2	Bill Type 2 Enable	Bill Type 2 Disable	ON
SW 1.3	Bill Type 3 Enable	Bill Type 3 Disable	ON
SW 1.4	Bill Type 4 Enable	Bill Type 4 Disable	ON
SW 1.5	Bill Type 5 Enable	Bill Type 5 Disable	ON
SW 1.6	Bill Type 6 Enable	Bill Type 6 Disable	ON
SW 1.7	Bill Type 7 Enable	Bill Type 7 Disable	ON
SW 1.8	Bill Type 8 Enable	Bill Type 8 Disable	ON

SW No.2	ON State	OFF State	Default
SW 2.1	Four Way	One Way	ON
SW 2.2	Reserved	Reserved	ON
SW 2.3	Reserved	Reserved	ON
SW 2.4	Service	Host Communication	OFF

3. Interface Connector Pinout:

Mating Connector:

Socket 43645-1000 (Molex)

Contact 43030-0008 (Molex)



Terminal	Circuit
1	+ 24 V DC
2	+ 24 V DC
3	0 V DC
4	0 V DC
5	GND
6	GND
7	TxD
8	RxD
9	M – RES
10	COMM GND

4. Diagnostics:

Chart below lists the validator malfunctions, as indicated by the flashing bezel light:

No. of Consecutive Flashes	Malfunction
1 Green/ Red	COM Port CRC error
2 Green/ Red	Internal CRC error
3 Green/ Red	Improper Memory Stick
4 Green/ Red	Memory Stick is absent
5 Green/ Red	Improper type of Memory Stick
6 Green/ Red	Download error

5. Grounding:

1. Ground terminal must be connected to the host machine ground.
2. Use Mounting Kit OPT-MKBB-GND.
3. Connect grounding cable to screw shown. A copper wire of 14 - 12 AWG may also be used.

View A

