

CASH DRAWER

■ USER'S GUIDE

NOTICE

The manufacturer of the POS cash drawer makes no representation or warranties, either expressed or implied, by or with respect to anything in this manual, and shall not be liable for any implied warranties of fitness for a particular purpose or for any indirect, special or consequential damages. Information in this document is subject to change without notice and does not represent a commitment on the part of the manufacturer.

FCC NOTICE

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A digital device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.



Models CR4000/4004
CR4100/4104

MODEL NUMBER DESCRIPTION

Model	CR4000	CR4100	CR4004	CR4104
Bill Compartment	Adjustable	Fixed	Adjustable	Fixed
Bill Clip	Plastic	Metal	Plastic	Metal
Interface	Printer interface		Dedicated RS232 serial interface	

SPECIFICATIONS

MECHANICAL: Dimensions: 428 (W) x 460 (D) x 100 (H) mm

Weight: 6.0 Kgs

Removable tray with a lock-on cover (option)

ELECTRICAL:

INPUT TO SOLENOID

Pulse Amplitude 12 to 24 VDC

Pulse Width 100 to 250 msec

Pulse Duty Cycle 10% max.

Max. Current Consumption 0.75A @ 12 VDC/1.5A @ 24 VDC

DRAWER OPEN SENSOR Yes **(CR4000/4100 ONLY)**

8P TELEPHONE JACK PIN CONFIGURATION **(CR4000/4100 ONLY)**

PIN1 (BLACK) OPEN drawer sensor, connects to PIN2 when drawer open

PIN2 (RED) OPEN drawer sensor, connects to PIN1 when drawer open

PIN7 (GREEN) INPUT to solenoid

PIN8 (YELLOW) INPUT to solenoid

SERIAL INPUT **(CR4004/4104 only)**

Data Format Standard **RS232C**

Protocol No handshake

Baud rate: 150,300,600,1200,2400,4800,9600,19200

Parity: none, even, or odd

Data bits: 7 or 8

FUNCTIONAL TEST (CR4004/4104 only)

- 1.Under DOS prompt, type "MODE COM1 (or COM2) 96 N 8 1". Hit the **ENTER** key.
- 2.Type "TYPE CON>COM1 (or COM2)". Hit the **ENTER** key.
- 3.Type "ABC" (or any code). Hit the **ENTER** key, then the drawer will open.
- 4.Hit **CTRL-C** (Press Ctrl and C keys together) to return the computer back to the normal display mode.

INSTALLATION

CR4000/4100: Connect the drawer to **POS** system/printer as shown in **Fig1**.

CR4004/4104: 1.Open the PC case. Put the metal bracket with power connector into one of the I/O windows.

- 2.Connect the cable to the **HDD** type power connector of PC power supply. See **Fig2**. Then close the PC case.

3. Connect the DB-9 connector to the computer's serial port of COM1 (or COM2). Connect the 4P phone plug connector to the added I/O bracket. See **Fig3**.

CARTON CONTENTS

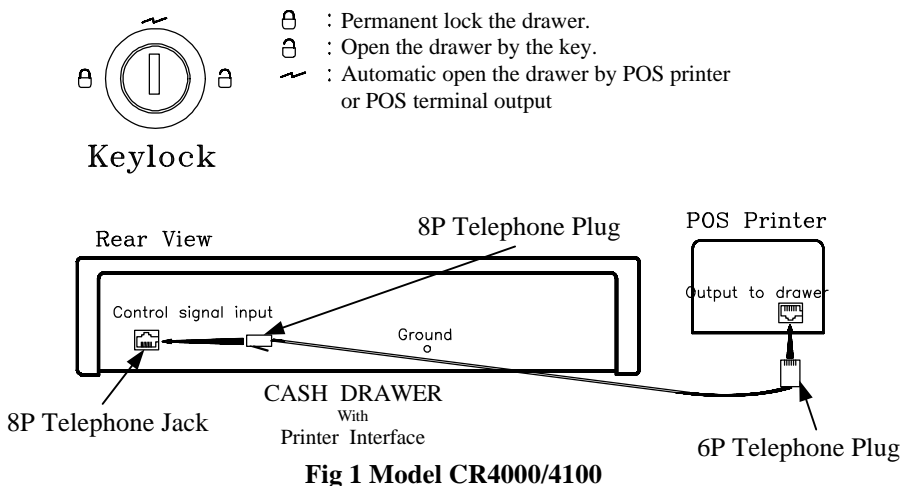
1. Cash drawer preassembled
2. User's manual
3. Key 2pcs: There is a key serial No. sticker on the cash drawer bottom plate. If user lost the key he/she can order the key according to this number.
4. Signal cable: the standard signal cable for CR4000/4100 is CCBLA-180 (or CCBLA-180-1) which has a 8 pin plug at one end to connect to the cash drawer and a 6 pin plug at the other end to connect to the POS printer. This cable serves for most popularly used POS equipment such as all Posiflex POS terminals, all Posiflex POS printers, most EPSON POS printers, most STAR POS printers and all other compatibles. The user may cut the 6 pin end or order the ready cut cable CCBLA-180A and assemble this free end according to his POS printer specification if the POS printer used applies different connection. The cable connection on CCBLA-180A is as below:

Wire color	RJ45	Function
Red	Pin 1	Drawer open sense
Blue	Pin 2	Drawer open sense return
Green	Pin 7	+ 24V to solenoid
Yellow	Pin 8	Drawer kick pulse

As for CR4004/4104, the serial signal cable is already built on.

5. Power connector cable and I/O bracket plate. (for CR4004/4104 only)

MODEL CR4000 SERIES KEYLOCK OPERATION:



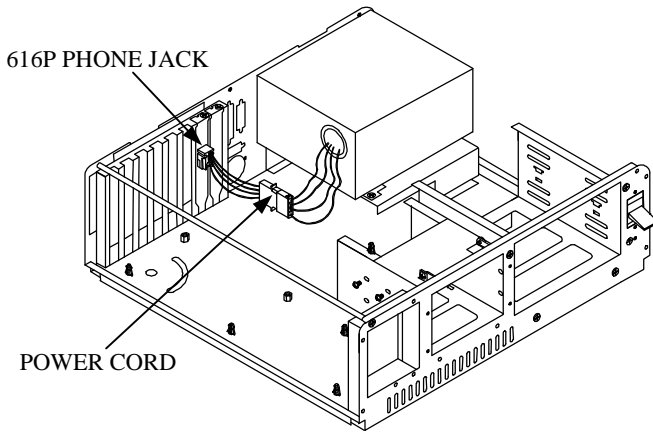


Fig 2

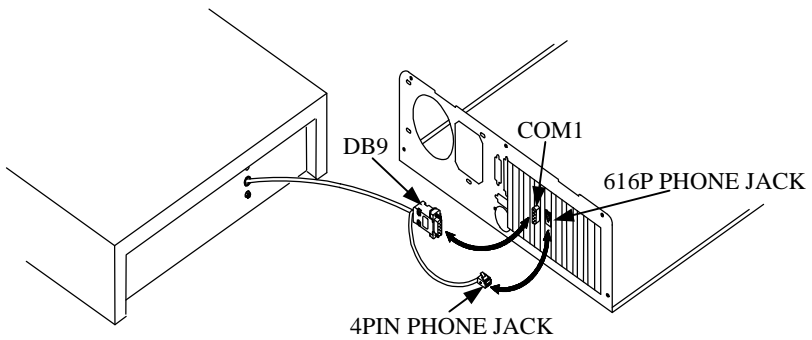


Fig 3 Model CR4004/4104