

# CR3000 Series

## Cash Drawers



- Supports all major POS printers
- Wide selection of interfaces: printer-driven, RS232C, USB, programmable parallel or serial, pass-through, and OPOS
- Port-powered drawers available with serial or USB interface. No power adapter required
- High security design with all metal construction and no external screws
- Three position lock for maximum cash security
- Small form factor without sacrificing till size
- Adjustable bill and coin compartments
- Media slot for checks and large bills
- 4-in-1 multi-interface cash drawer with I/O port expansion hub
- Available in beige and dark gray, 120V and 220V

### Unparalleled Reliability and Value

Logic Controls cash drawers offer unparalleled reliability and value, with failure rates one-fifth that of other leading cash drawer vendors according to industry sources. Best of all, these high quality cash drawers are available at prices that drive superior value.

### Compact, Efficient and Secure

The CR3000 series of standard duty cash drawers is compact in size, enabling retailers to utilize scarce counter or shelf space for more important functions. The units make very efficient use of internal space, however, with the till being almost the same size as those found in larger drawers. The CR3000 series also comes with important security features: all metal construction, no exposed screws, and three position locks.

### Works with Any System

Logic Controls cash drawers work with all major brands of POS printers and offers a wide selection of interfaces. CR3000 Series' interfaces include printer driven, serial, USB, programmable parallel or serial, pass-through, and OPOS. The CR3001, in fact, is a 4-in-1 multi-interface cash drawer with an I/O port expansion hub. The serial and USB cash drawers are port-powered, while CR3001 units come with either 120V or 220V power adapters.

# CR3000 SERIES COMPACT CASH DRAWER SPECIFICATIONS

## MECHANICAL

Weight	14.3 lbs
Dimension (in inches)	
Height	3.3
Width	15.7
Depth	16.1
Bill and Coin Tray	Adjustable slots.

## ELECTRICAL

CR3000 (Control signal from POS printer)	
Pulse amplitude	12 to 24 volts DC
Pulse width	100 to 200 milliseconds
Pulse duty cycle	10% max.
CR3001	
Power adapter input	120VAC; 220VAC optional
Power adapter output	12VAC
Power adapter current	1000ma
CR3002	
Pulse amplitude	±12 volts
Pulse width	50u sec - 6.7m sec
Pulse duty cycle	20% min

## INTERFACE

CR3000 (Printer Driven)	Connects to POS printer drive circuit via supplied cable
CR3001 (4-in-1 smart interface)	
Serial input	
Data format	RS232C
Protocol	
Baud Rate	150, 300, 600, 1200, 2400, 4800, 9600*, 19200
Parity	None*, Odd, Even
Data Bits	7, 8*
Parallel input	
Data format	Centronics interface
*Default values	
CR3002	RS232C, any protocol

## OPEN DRAWER COMMAND

CR3000	Pulse from Printer drive circuit
CR3001	
Printer	Pulse from Printer drive circuit
Dedicated RS232C	Any software transmitted data
Non-dedicated RS232C	Programmable security code (1-255 hex, preset to 07 Hex)
Parallel	Programmable security code (1-255 Hex, preset to 07 Hex)
CR3002	Any software transmitted data

## NOTES

CR3000	
Logic Controls supports all POS printers. Please specify POS printer type when ordering. Cable, keys, and manual supplied.	
CR3001	
Power adapter, serial interface cable (to computer), keys, and manual supplied. For parallel connections user must supply cables.	
CR3002	
No power adapter required. Manual, keys, and serial interface cable supplied.	

## CONNECTOR PINOUT INFORMATION CR3001

### P1 (DB25M) - Parallel input from computer

1	-Strobe	10	-ACK
2	Data 0	11	Busy
3	Data 1	12	Paper End
4	Data 2	13	Select
5	Data 3	14	-Auto Feed
6	Data 4	15	-Error
7	Data 5	16	-Initialize Printer
8	Data 6	17	-Select Input
9	Data 7	18-25	Ground

### P2 (DB25F) - Parallel output to printer

1	-Strobe	10	-ACK
2	Data 0	11	Busy
3	Data 1	12	Paper Feed
4	Data 2	13	Select
5	Data 3	14	-Auto Feed
6	Data 4	15	-Error
7	Data 5	16	-Initialize Printer
8	Data 6	17	-Select Input
9	Data 7	18, 21, 25	Printer detection
		19, 20, 21-24	Ground

### P3 (DB25M) - Serial input from computer

2	Receive Data	8	Data Carrier Detect
3	Transmit Data	9	Open-drawer indicator
4	Request To Send	11	Open-drawer indicator
5	Clear To Send	18	POS printer interface
6	Data Set Ready	20	Data Terminal Ready
7	Ground	25	POS printer interface

### P4 (DB9F) - Pass-thru serial port (input/output)

1	P5 pin 1	6	P5 pin 6
2	Transmit to peripheral	7	P5 pin 7
3	Receive from peripheral	8	P5 pin 8
4	P5 pin 4	9	P5 pin 9
5	Ground		

### P5 (DB9M) - Pass-thru serial port (input/output)

Same connections as P4

### P6 (DB9M) - Serial input from computer

1	DCD	5	Ground
2	Receive Data	6	DSR
3	Transmit Data	7	RTS
4	DTR	8	CTS

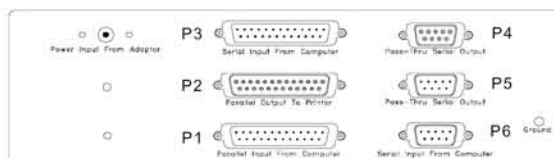
Pins 7 and 8 are tied together internally  
Pins 1, 4, and 6 are tied together internally

## BACK PANEL INFORMATION

### CR3000



### CR3001



### CR3002

