

# CR1800 Series

## Titan Series Cash Drawers



- 18.8"W x 20"D x 3.82"H
- Heavy-gauge sheet metal with reinforcement beam for supporting heavy top loads
- Industrial-grade ball bearing slides for smooth and long-lasting operation
- Cable management compartment
- Mounting holes for securing pole displays and peripheral cables
- Wide selection of interfaces: printer-driven, programmable and non-programmable RS232 or USB
- Supports all major brands of POS printers
- Port-powered drawers available with serial or USB interface that do not require power adapters or connection to receipt printer
- High security design with all metal construction and no external screws
- Three position lock for maximum cash security
- Adjustable coin compartments
- Media slots
- Cash drawer open/close status sensing switch
- Rubber feet to prevent sliding
- Available in dark gray or beige

### Reliable, Heavy-duty Cash Drawers

The CR1800 Titan Series cash drawer was built to meet the toughest requirements of retail customers. The unit uses industrial-grade ball bearing slides for smooth and long lasting operation. The CR1800 is made with heavy-gauge sheet metal and a reinforcement beam for supporting heavy top loads. The unit incorporates a high security design with all metal construction and no external screws.

### Flexible Features to Meet Customers' Needs

Logic Controls designed the CR1800 with flexible features focused on the requirements of our customers. The CR1800 includes an easily accessible cable management compartment to remove the clutter and risk of pulled plugs that loose cables represent. In addition, three holes are provided for securing customer pole displays and peripheral cables, and these holes can be covered if not needed. The CR1800 also includes media slots and a till with adjustable bill and coin compartments that can be configured to your needs.

### Supports Wide Range of Interfaces

The CR1800 cash drawer supports a wide range of interfaces: printer-driven, programmable and non-programmable RS232 or USB with a virtual serial port driver. Through the use of a Logic Controls EasyConnectCable, all major brands of printers including Epson, Star, Ithaca and Citizen are supported. In addition, the CR1800 is available in port-powered models that have either a serial or USB interface and do not require power adapters or a connection to a receipt printer.

# CR1800 SERIES HEAVY-DUTY CASH DRAWER SPECIFICATIONS

## MECHANICAL

Weight: 22.6 lbs.  
 Dimension (Width x Depth x Height): 18.8" x 20" x 3.82"  
 Bill and Coin Tray: Adjustable slots

## ELECTRICAL

CR1800 (Control signal from POS printer)  
 Pulse amplitude: 12 to 24 volts DC  
 Pulse width: 100 to 200 milliseconds  
 Pulse duty cycle: 10% max

CR1802  
 Pulse amplitude: 12 volts DC  
 Pulse width: 50µ sec - 6.7m sec  
 Pulse duty cycle: 20% min.

CR1803  
 Pulse amplitude: 12 volts DC  
 Power consumption: <100mA

CR1806  
 Power adapter input: 120VAC; 220VAC optional  
 Power adapter output: 5VDC  
 Power adapter current: 300ma

## INTERFACE

CR1800 (Printer Driven): Connects to POS printer drive circuit via cable - ordered separately

CR1802: RS232C, any protocol, bus powered

CR1803: USB Interface, bus powered

CR1806 (Smart Serial Interface):  
 Serial input  
 Data format: RS232C  
 Protocol  
 Baud Rate: 2400, 4800, 9600\*, 19200  
 Parity: None\*, Odd, Even  
 Data Bits: 7, 8\*

\*Default values

## OPEN DRAWER COMMAND

CR1800: Pulse from printer drive circuit

CR1802: Any software transmitted data

CR1803: User Programmable security code (1 to 5 bytes)

CR1806: User Programmable security code (1 to 5 bytes)

## NOTES

CR1800  
 Logic Controls supports most POS printers. Interface cable ordered separately. Please specify POS printer type when ordering cables.

CR1802  
 No power adapter required. Keys and serial interface cable supplied.

CR1803  
 No power adapter required. Keys and USB cable supplied.

CR1806  
 Power adapter, keys and serial interface cable (to computer) supplied.

## CONNECTOR PINOUT INFORMATION

CR1800 - From POS printer (RJ11-6)

- 1 No connection
- 2 Drawer kick signal
- 3 Drawer status switch
- 4 Drawer kick signal
- 5 No connection
- 6 Drawer status switch

CR1802 - Serial input from computer (DB25M)

- 2 Receive data
- 3 Transmit Data
- 4 Request To Send
- 5 Clear To Send
- 6 Data set ready
- 7 Ground
- 8 Data Carrier Detect
- 20 Data Terminal Ready

CR1803 - USB input from computer (USB Type A)

- 1 V+
- 2 D-
- 3 D+
- 4 Ground

CR1806 - Serial input from computer (DB9F)

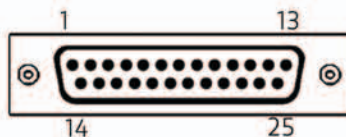
- 1 DCD - tied to pins 4 & 6
- 2 No connection
- 3 RXD from computer
- 4 DTR - tied to pins 1 & 6
- 5 Ground
- 6 DSR - tied to pins 1 & 4
- 7 RTS - tied to pin 8
- 8 CTS tied to pin 7
- 9 No connection

## BACK PANEL INFORMATION

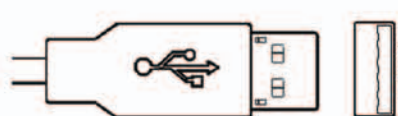
RJ11-6 (CR1800)



DB25-M (CR1802)



USB (CR1803)



DB9-F (CR1806)

