

Requirements

The BC-100 bar code reader recognizes a wide variety of bar code formats and then transmits this data in a magnetic stripe track2 or Wiegand format to the handreader. The standard firmware (H6XX1001.## or H5M) for the HandPunch supports the Magnetic Stripe input format. The standard firmware (E6XX0001.## or E5W) for the HandKey supports the Wiegand input format.

Connection for Magnetic Stripe output from the BC-100**BC-100 Cable**

Red (+5 volts)
Purple (Data 1)
Green (Data 0)
Black-2 wires (Ground)
Yellow (BCD Select)
Brown (LED Control)

HandPunch Terminals

1 (+ 5 volts)
2 (Data)
3 (Clock)
4 (Ground)
4 (Ground)
4 (Ground)

Magnetic Stripe Connection Note

The Orange (ASCII Select) and Blue (Hold) are not used by the /HandPunch/HandKey. They should be insulated so that they do not short to other conductors or metal such as the chassis.

Connection for Wiegand output from the BC-100**BC-100 Cable**

Red (+5 volts)
Purple (Data 1)
Green (Data 0)
Black-2 wires (Ground)
Brown (LED Control)

HandPunch Terminals

1 (+ 5 volts)
3 (D1)
2 (D0)
4 (Ground)
4 (Ground)

Wiegand Connection Note

The Orange (ASCII Select), Blue (Hold) and Yellow (BCD Select) are not used by the /HandPunch/HandKey. They should be insulated so that they do not short to other conductors or metal such as the chassis.

Power Supply Note

The BC-100 draws about 100 mA. from the HandPunch/Handkey. This raises the total current draw close to the maximum amount of current available from the standard RSI (IS-400) power supply. If locks or relays are also connected to the HandKey or HandPunch, a power supply with a larger current supply capacity should be considered.