

CQ SERIES POWER SEQUENCERS Remote Control Connection

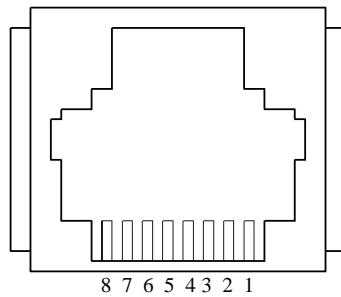
Juice Goose specifies use of eight wire RJ45 connectors and cable for interconnection of CQ Series products. (Note: six wire RJ12 cable and connectors are adequate.) CAT6 or CAT5 cabling for high bandwidth communication is not necessary.

Control with Juice Goose RC5 - A Juice Goose CQ Series product can be controlled with a Juice Goose RC5 rack or wall mount accessory. These devices are available either with a key switch for added security or a rotary knob for added convenience. LEDs on the RC 5 indicate switch position and system sequence status.

Control with Contact Closure - As an alternative to controlling with an RC5, a CQ product may be connected to any latching contact closure using a switch or relay. The following instructions are provided to assist with this configuration.

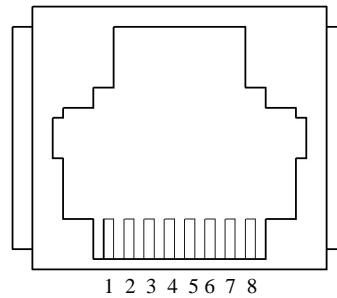
Note: orientation of the wires relative to the RJ45 connectors conforms with standards for telephone line assembly. As illustrated below, the Pin location is reversed between the Input and Output connectors. Therefore, the wire color patterns will be mirror image when the connectors at each end of a cable are viewed side-by-side. The patterns will be the same when the connectors are viewed end-to-end. It may be best to insert the cable into the first RJ45 connector with a specific color strand to the left. The second connector should be inserted with that same color to the right of the connector when viewed from the same perspective as the first.

PIN ASSIGNMENTS



INPUT

- PIN1** Open
- PIN2** Outputs off when high (+8v)
- PIN3** Sequence down when high (+8v)
- PIN4** Sequence up when high (+8v)
- PIN5** "Sequence Up Complete" and "System OK" when high (+8v)
- PIN6** VCC (power supply, +8v)
- PIN7** Ground
- PIN8** Open



OUTPUT

- PIN1** Open
- PIN2** Next outputs on when low (0v)
- PIN3** Sequence down when high (+8v)
- PIN4** Sequence up when high (+8v)
- PIN5** System failure if low or "Seq. Down Complete" if high (+8v)
- PIN6** No connection from input
- PIN7** Ground
- PIN8** Open

SWITCH CONNECTION

In this illustration, connecting a single pole, double throw (SPDT) switch to the signal input line of a CQ Series device will control the sequence up and sequence down activity. Closing PIN3 to PIN7 will begin a sequence UP. Closing PIN4 to PIN7 will begin a sequence DOWN. Closing both 3 and 4 to 7 will PAUSE the sequence process. The control switch on the chassis will be inoperative when there is such a contact closure on the input line.

