

JUICE GOOSE™

CQ-PD1-4 (TM) SEQUENCED POWER CONTROL SYSTEM



GENERAL DESCRIPTION

The Juice Goose CQ-PD1-4, along with the other products in the CQ Series, provides a versatile and powerful means of remotely activating AC power in a sequenced array for application to both sensitive and high amperage equipment. CQ Series products need no additional controllers. Each contains the circuitry to be activated by a simple contact closure and to perform in coordination with other CQ devices. All power down sequences are exact reversals of the power up sequences.

CONNECTION

The CQ-PD1-4 features a four foot external wire harness, including four hot leads (various colors), four neutral leads (white) and one ground lead (green) enclosed in flexible metal conduit.

This unit can be easily controlled by way of 8 wire RJ-45 cable. (Consult the CQ Series Owners Manual before assembling the cable.) Each CQ has a *Sequence Signal Input* and *Output* connector on the chassis. This communication link allows any CQ device to be installed at any stage in a power sequencing system. There is no limit to the number of CQ devices that can be connected and no known distance limit between them.

Because the sequence process is controlled with a latching contact closure the system can be activated with a custom mounted single pole switch, a relay, the control switch on the CQ device itself or a Juice Goose RC-5 key switch control accessory. It can also be activated with controllers from Crestron, AMX or other manufacturers.

OPERATION

The CQ-PD1-4 is an 80 amp hardwire model featuring four sequence events, each with an individual 20 amp circuit. It can be a stand-alone, remote control module or can be included with a more extensive power sequencing system. In a typical CQ system the CQ-PD1-4 is used to control power within an amplifier rack. The multiple circuit/multiple sequence feature allows the CQ-PD1-4 to power up several amplifiers, following activation of any equalizers or other electronic signal sources that may be housed in the same rack. In this configuration the CQ-PD1-4 is connected by way of eight wire, RJ-45 cable to another CQ device which will power the "front-of-house" equipment. No time delay settings or additional equipment are required. All CQ units will automatically turn on and off in the proper sequence.

The CQ-PD1-4 features four sequenced duplex receptacles. Each duplex has its own preset turn on and off timing. Because the CQ-PD1-4 activates its outlets in four stages it is useful as a stand-alone sequencer. The CQ-PD1-4 can be triggered by the switch on the front of the unit, by a remote contact closure or by a Juice Goose RC-5 key switch.

CONTROLS AND MONITORS

The CQ-PD1-4 features a three position switch on the front of the chassis. This switch is active only if there is no control cable on the *Sequence Signal Input* connector. When active, this switch allows the unit to sequence up or sequence down and to control the sequencing of any unit connected to the *Sequence Signal Output* connector. This switch can also override the control circuit in the unlikely event of a fault or failure.

DETAIL SPECIFICATIONS

Chassis.....	16 gauge steel
Dimensions.....	32"L x 3.5"W x 2"D
Weight.....	13 lbs
Circuit Breaker.....	None
Relay Current Rating.....	Four @ 30A each
Number of Sequence Events.....	Four
Power Input.....	4' standard external wire harness
Power Output.....	Four NEMA 5/20R
Input Voltage.....	US standard (120 VAC @60Hz)
Signal Connections.....	RJ-45 eight wire cable
Monitor Features.....	Monitor light correlates to processor operation

See the other Juice Goose power sequencers: CQ-1520, CQ-1, CQ-2200, and CQ-3000.

FOR MORE INFORMATION

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