JUICE GOOSE™

CQ-3000 (TM)
SEQUENCED
POWER CONTROL SYSTEM

GENERAL DESCRIPTION

The Juice Goose CQ-3000, 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.

OPERATION

The CQ-3000 is a 30 amp hardwire model featuring one AC power output, a locking NEMA L5-30R. This is a single sequence event device that will usually be specified for an audio system with one or more high current, low frequency amplifiers. High performance components have been designed into the CQ-3000 to provide the additional margin of performance required for high in-rush amplifiers. The CQ-3000 can be connected by way of six wire modular phone cable to a system of CQ Series sequencers. In this fashion the CQ-3000 will turn on and off in coordination with the other products. No time delay settings or additional equipment is required. When used to power an amplifier the CQ-3000's sequence event will be triggered after a previous CQ device has completed its sequenced turn on.

CONTROL LINE CONNECTION

All CQ products can be easily controlled by way of standard 6 wire RJ-12 modular phone 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 and act as a power sequencer or controller. There is no limit to the number of CQ devices that can be connected in this manner.

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 also be activated with controllers from Crestron, AMX and other manufacturers.

CONTROLS AND MONITORS

The CQ-3000 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. The Manual On switch position allows the CQ-3000 to be manually operated, overriding the control circuit in the unlikely event of a fault or failure.

Lights on the front of the chassis allow monitoring of the unit operation. The PROCESSOR light will blink to indicate the control processor on the unit is functioning. The POD light is illuminated as a result of contact closure by the CQ-3000 relay, indicating that actual relay closure has occurred.

DETAIL SPECIFICATIONS

Chassis……..….16 gauge steel – mounts through holes in back box

Dimensions……...…….....9.0"H x 6.0"W x 4.0"D

Weight……...……..……...……...6 lbs

Circuit Breaker……..…..…..…….30A thermal on side of the chassis

Relay Current Rating……...…….....50A

Number of Sequence Events……..One

Power Input……..…Hard wire through strain relief on back box

Power Output…….....One NEMA L5-30R

Input Voltage……...…..US standard (120 VAC @60Hz)

Signal Connections…….....RJ-12 six wire cable

Monitor Features…Monitor lights correlate to processor and relay operation

See the other Juice Goose power sequencers: CQ-1520, CQ-2000, CQ-2200 and CQ-PDI-4

FOR MORE INFORMATION

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