

**APPLICATION #03** describes an installation in two or more locations that requires six circuits including a 30 amp circuit.

The Front of House has a rack mounted CQ 1520 sequencer which has a 20 amp power cord and turns on six AC receptacles in three stages. At FOH is also an RC5 accessory to provide enhanced system security with a key operated switch. If the key switch is not desired, the RC5 can be deleted from this design. In that case the switch on the front of the CQ 1520 would control the system.

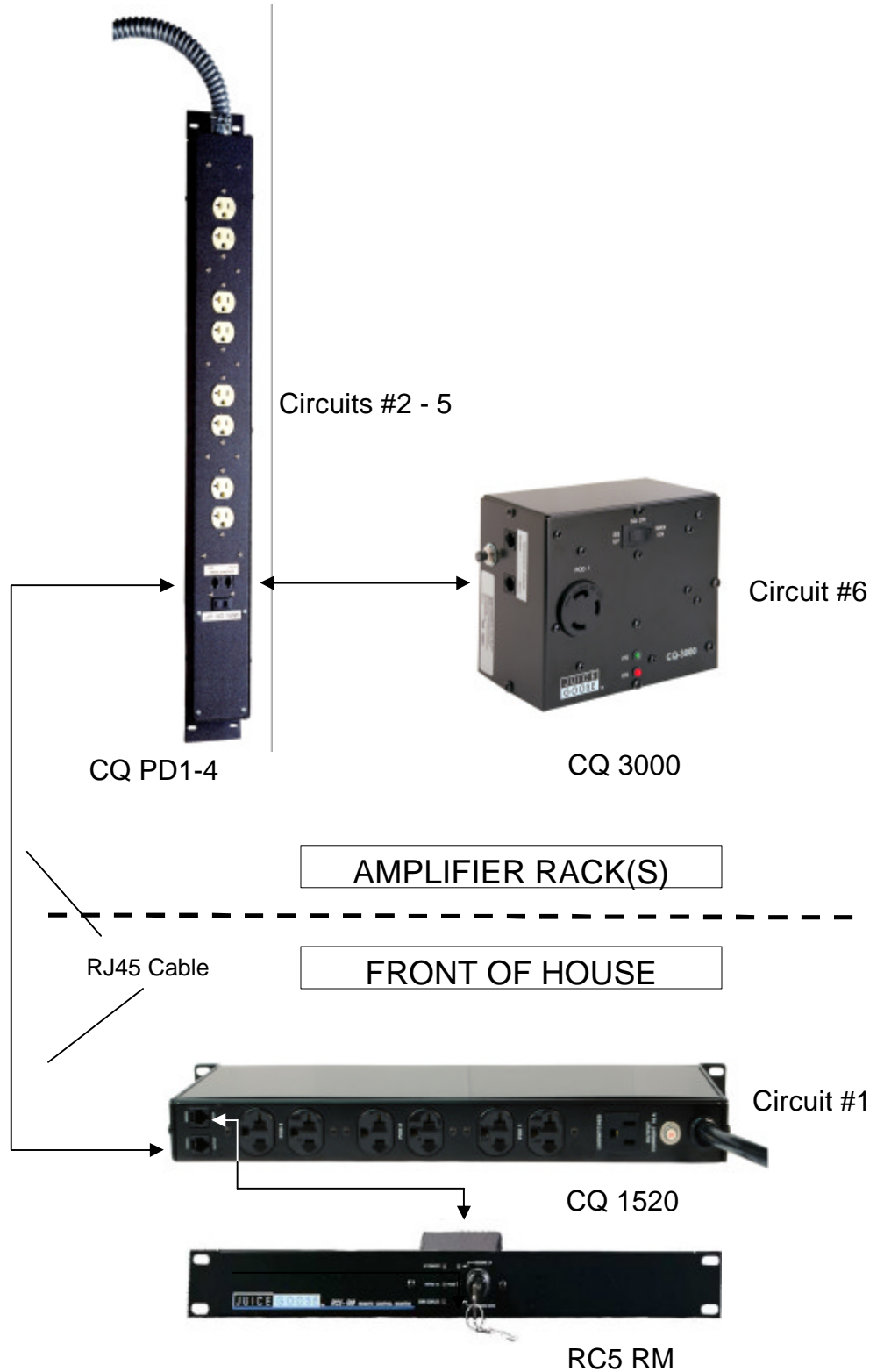
The remote rack(s) has a total of five circuits. The CQ PD1-4 is a self contained sequencer that includes four 20 amp circuits which activate in four sequenced steps. This model is designed for hard wired connection to four 20 amp breaker panel circuits.

The CQ 3000 has a 30 amp capacity and turns on and off in a single step. It, too, is designed for hard wired connection to main power. It features a twist-lock L5-30R receptacle.

In this Application, turning the RC 5-RM key to the Sequence Up position will cause the CQ 1520 to turn on followed by the CQ PD1-4. Each of the duplex receptacles will turn on individually approximately two seconds apart. The CQ 3000 will activate after the CQ PD1-4. All units will turn off in reverse order.

RJ45 cabling is used as the communications link between each of the CQ devices. Assembly of the cables is simple. Orientation of the connectors at the ends of this cable conforms to standard telephone system design. More information on this topic is available from Juice Goose.

This system has "plug and play" functionality. No master control unit, no timing delay settings and no adjustments are required. The RC5 receives its power from its connection to the CQ 1520 and requires no additional power supply.



**CQ SERIES APPLICATION # 03**

3/10/10

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NOTE: Juice Goose CQ Series Application Notes provide examples of how various CQ Series products can be used in different combinations. Because there is no operating restriction regarding how different CQ models can be arranged, there are a large number of possible configurations.