

RSS 602 Power Unit Room Status System

Power is supplied to the Room Status System by the RSS 602 Power Unit or the RSS 605 Flasher. The RSS 602 Power Unit plugs into a 120 volt AC grounded outlet. As almost no power is consumed by the system when the lights are not on, it is not necessary to turn the power to the unit off and on.



The RSS 602 Power Unit has two screwdriver adjustment controls:

Time On Adjusts the length of time the flashing lights will flash on. The adjustment range is from one tenth of one second to three seconds.

Time Off Adjusts the length of time the flashing lights will be off between flashes. The adjustment range is from one tenth of one second to three seconds.

The RSS 602 Power Unit provides enough power to light 333 lights, however it can only light about 133 light continuously. The total output is split on to four different outputs, two flashing and two solid. Each output is limited to 75 volt amps. A load of more than 75 volt amps on any output will turn off all lights for about five seconds. A temperature sensor within the unit will turn off all lights whenever the power transformer gets too hot. The unit will automatically reset when it cools.

When the RSS 602 Power Unit is used to operate a part of a system with another RSS 602 Power Unit operating the other part of the system, it may be slaved so that it flashes in synch with the other unit. The Time on is set for minimum and the time off is set for maximum. The "Slave" terminal screw is connected to the "Flash" output of the other unit.

Installation

The RSS 602 Power Unit should be located near one of the master or display panels of the system. It should be within five feet of an electrical outlet. As the unit will produce some heat when heavily loaded, the location should have some ventilation. Four #8 x 1" screws are supplied for mounting to a wall or cabinet.

Wiring

The RSS 602 Power Unit is connected to the master panel or to one of the display panels using Theta # 85 cable. The length of this cable should be kept to a minimum. If a run longer than five or ten feet is needed on a large system, conduit containing larger gauge conductors will have to be substituted for the #85 cable. The #85 cable contains two 12 gauge black conductors, two 14 gauge orange conductors, and two 14 gauge brown conductors. This cable connects to the barrier terminal strip on the RSS 602 Power Unit and to the barrier terminal strip on the RSS 610 Master Panel or RSS 620 Display Panel.

