RC4-RX4-HO TYPICAL APPLICATION

In this configuration each dimmer drives one high-current load, indicated as a lamp in this drawing. The maximum allowable load is 250W which could be, for example, 5 x 50W MR16 lamps. In this case, each load draws 21A.

To operate all 4 loads at full power for 30 minutes, current draw is 83A. A separate 25A fuse for each 250W section is appropriate. On-board fusing should not be used for this kind of application.

Lead-acid battery ratings are misleading at high discharge rates. An 80 A/h battery will provide 80A of power for only 30 minutes under these conditions. In other words, an 80 A/h battery will power these 4 loads for approximately 30 minutes.

12V lead-acid batteries should not be discharged below 10V under load. Discharging them below 10V will chemically damage the battery, resulting in lower A/h capacity when recharged.

ON-BOARD FUSE NOT USED.
EACH DIMMER CIRCUIT MUST BE INDIVIDUALLY FUSED EXTERNALLY.

USE SMALLEST APPROPRIATE FUSE FOR SIZE OF EACH LOAD.