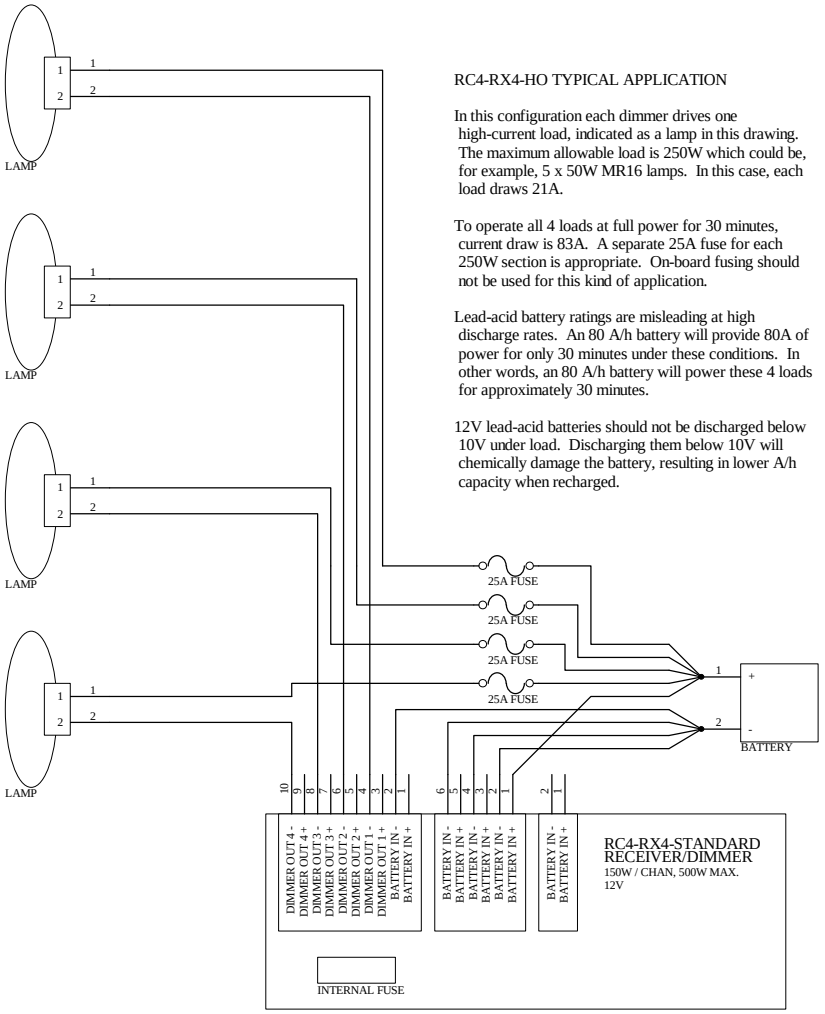

RC4-RX4-STANDARD RECEIVER/DIMMER

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.

	SOUNDSCULPTURE Incorporated 88 St. George St. Etobicoke ON Canada M8Z 3Y7			
	RC4-RX4-HO with 4 Large Loads, External Fusing			
	Size A3	FCSM No.	DWG No.	Rev 1.0
	Scale		Sheet 1 of 1	