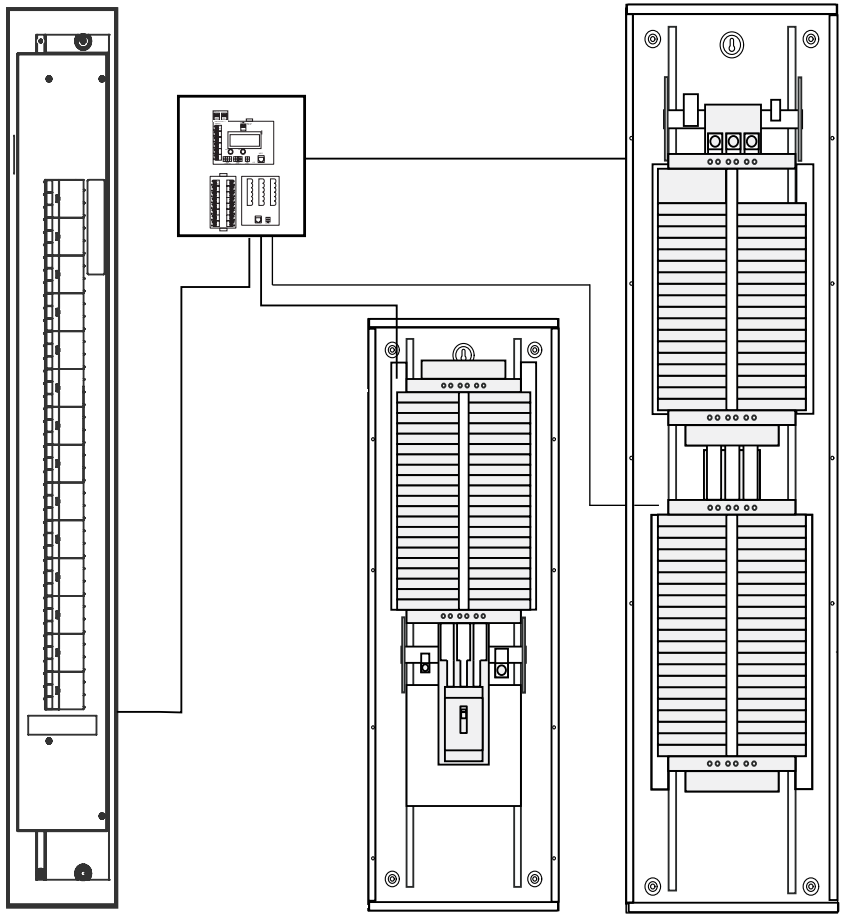
LCP LIGHTING CONTROL PANELBOARD

PURPOSE-BUILT FOR LIGHTING AND VIDEO

PRIMARY/SECONDARY QUICK START GUIDE



A quick guide to connecting LCP primary and secondary panels to the LCP Control Module.

Each LCP system consists of an LCP Controller Module and an LCP primary panel with power supply. Up to three secondary panels may be added to complete the system. Each LCP controller can control a maximum of eight control buses. 30 and 42 circuit panels each contrain two control buses, while 48, 66 and 84 circuit panels each contain 4 control buses. Please consult the following table for the positions of each control bus.

Number of Circuits	First Control Bus Set		Second Control Bus Set	
	Left Position	Right Position	Left Position	Right Position
30	Upper Left	Upper Right	NA	NA
42	Upper Left	Upper Right	NA	NA
48	Upper Left	Upper Right	Lower Right	Lower Left
65	Upper Left	Upper Right	Lower Right	Lower Left
84	Upper Left	Upper Right	Lower Left	Lower Right
30 Narrow	Lower	Upper	NA	NA
42 Narrow	Lower	Upper	NA	NA

Continued on reverse.....

...continued from front

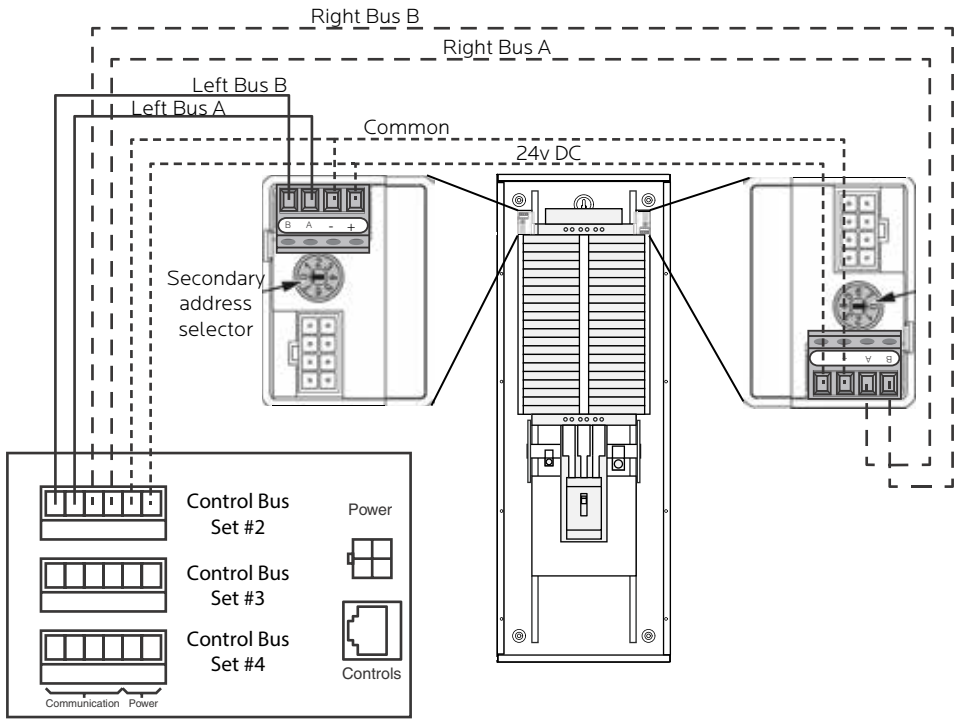
The first control bus set in the primary panel connects directly to the LCP Controller using the provided cables with 8-pin molex connectors. The second control bus set and all secondary panels, where applicable, connect to the Multi-Panel Expander board (MPE).

To connect buses to the MPE you will need either one 6-conductor, 600V jacketed, 18-14 AWG tray cable or two 4-conductor, 600V jacketed, 18-14 AWG tray cables per control bus set. Each bus requires 4 conductors but the DC power conductors can be daisy chained within the panelboard. Connect control buses to the MPE as follows.

1. At the MPE, terminate the Left Bus B, Left Bus A, Right Bus B, Right Bus A, Common (–) and 24VDC (+) in the screw-terminal header for that control bus from left to right.

2. Connect the cable to the control bus strips as shown in the diagram.

   If using one 6-conductor cable, at each control bus set, strip the cable sheath back approximately 20 inches. Cut the conductors for Left Bus B, Left Bus A, – and + down to approximately 4 inches and terminate them in the Left Bus screw-terminal header from left to right. Terminate the remaining two conductors in the Right Bus B and Right Bus A positions of the Right Bus screw-terminal header. Cut two lengths of 18 AWG wire to install jumpers from Left Bus – and + to Right Bus – and +. Right Bus will not operate without these jumpers installed to provide 24VDC power and common.



3. Address the secondary address selectors as follows:

	Left Control Bus	Right Control Bus
Bus Set #2	**2**	**3**
Bus Set #3	**4**	**5**
Bus Set #4	**6**	**7**