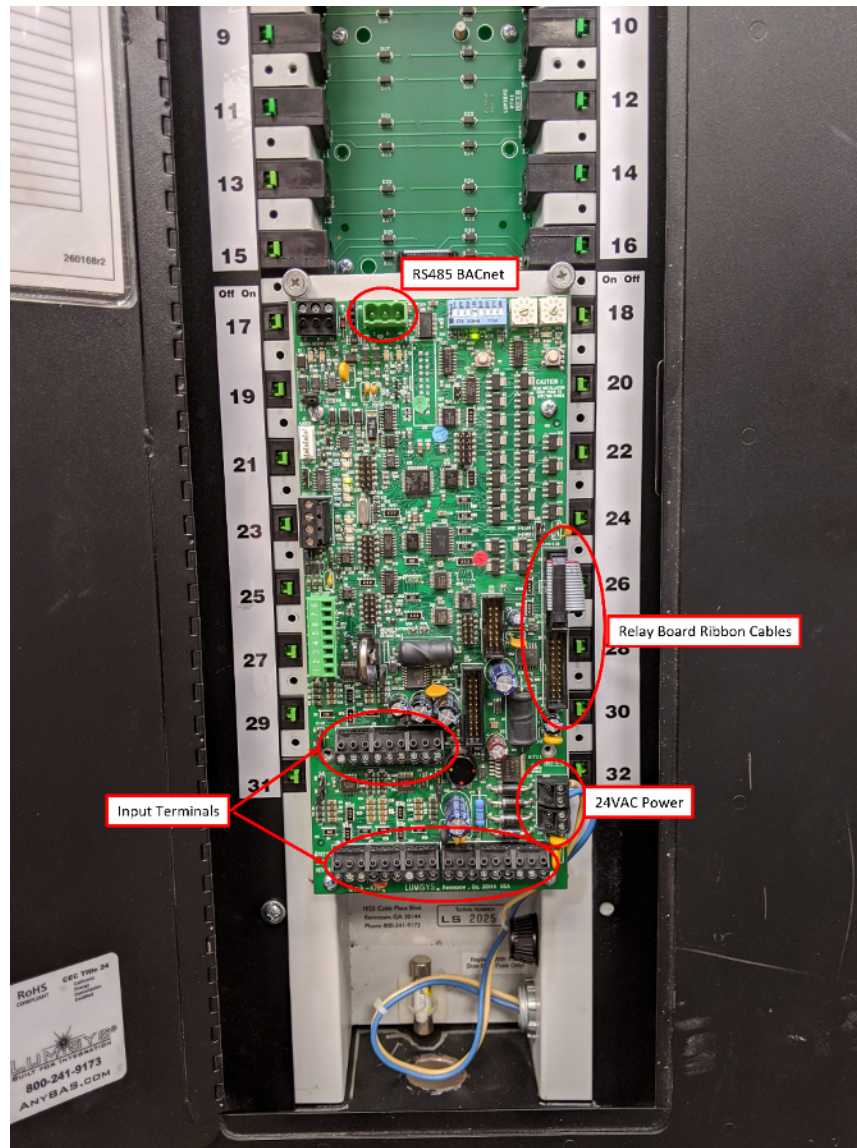


Installation Procedure – Retrofit Kit (RK) w/ RD32 Module

This procedure will detail the installation of the M³ Retrofit Kit with the RD32 module as a replacement for legacy LMB, LX5/LX6, or RP controller boards. The example shown is an LX5 controller board in a Lumisys Maxiom relay panel. The procedure is identical for other panels and controllers. Our wiring typical of the RK is available on the following [link](#). For technical support, please call 770-790-4880 ext.3.

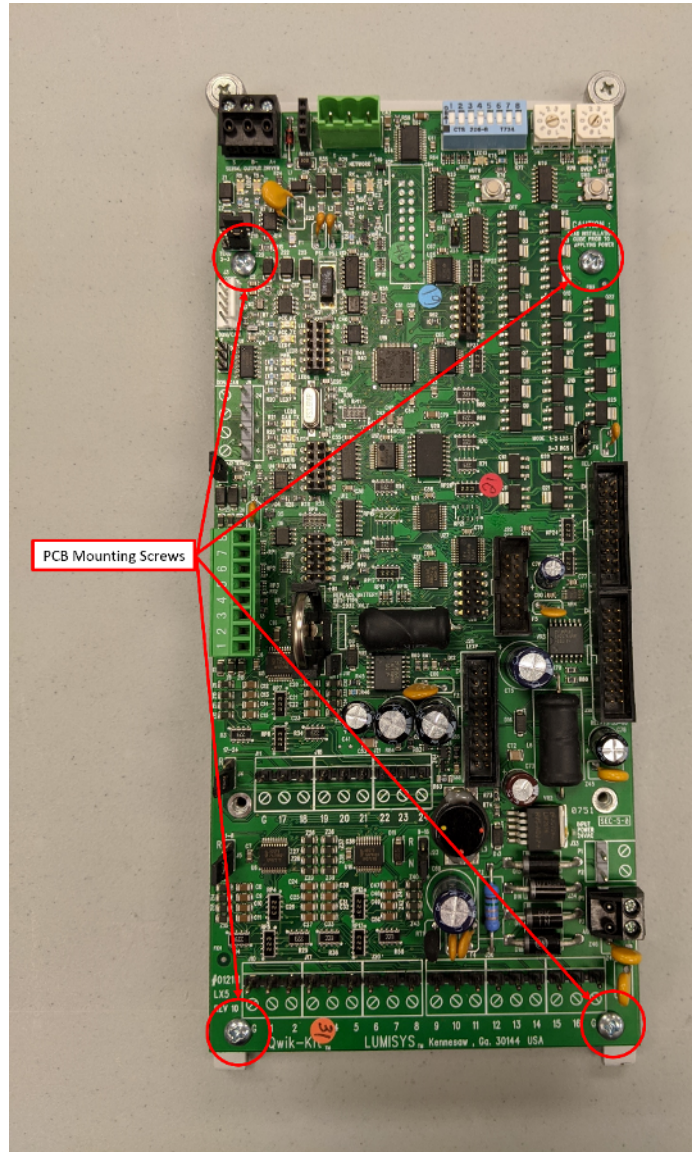
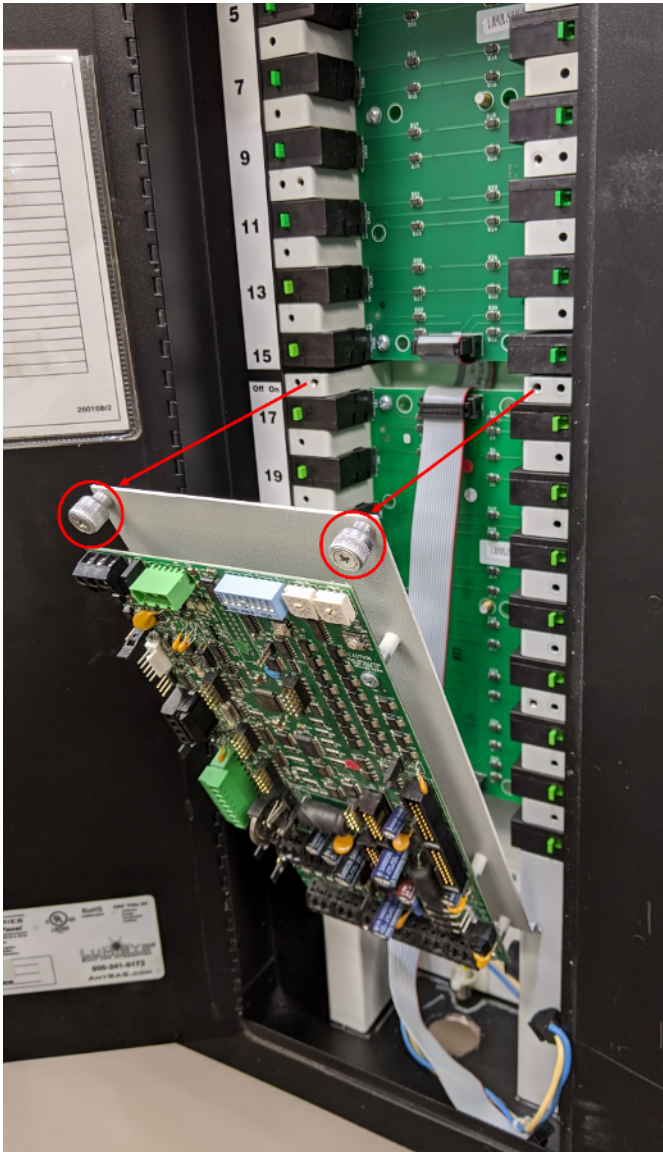
- 1) Turn off the line voltage circuit breaker to de-energize the 24VAC transformer that feeds the controller board. Once power is off, disconnect all connections to the original controller board. Properly mark wiring as it is disconnected to prevent error upon installation of the new controller. Common connections are shown in the below figure. NOTE: LEXP, DDN devices, and Digi-Touch networks are not compatible with M³ controllers.



- 2) To remove the controller board, loosen the two thumb screws above the board as shown and pivot the mounting plate out from the panel.

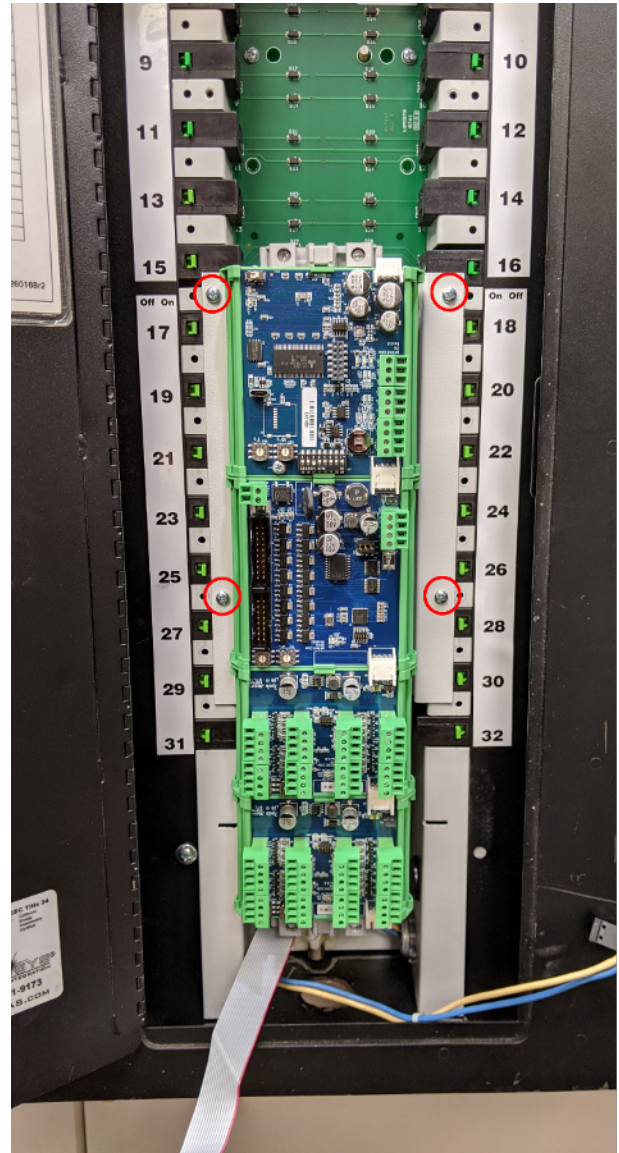
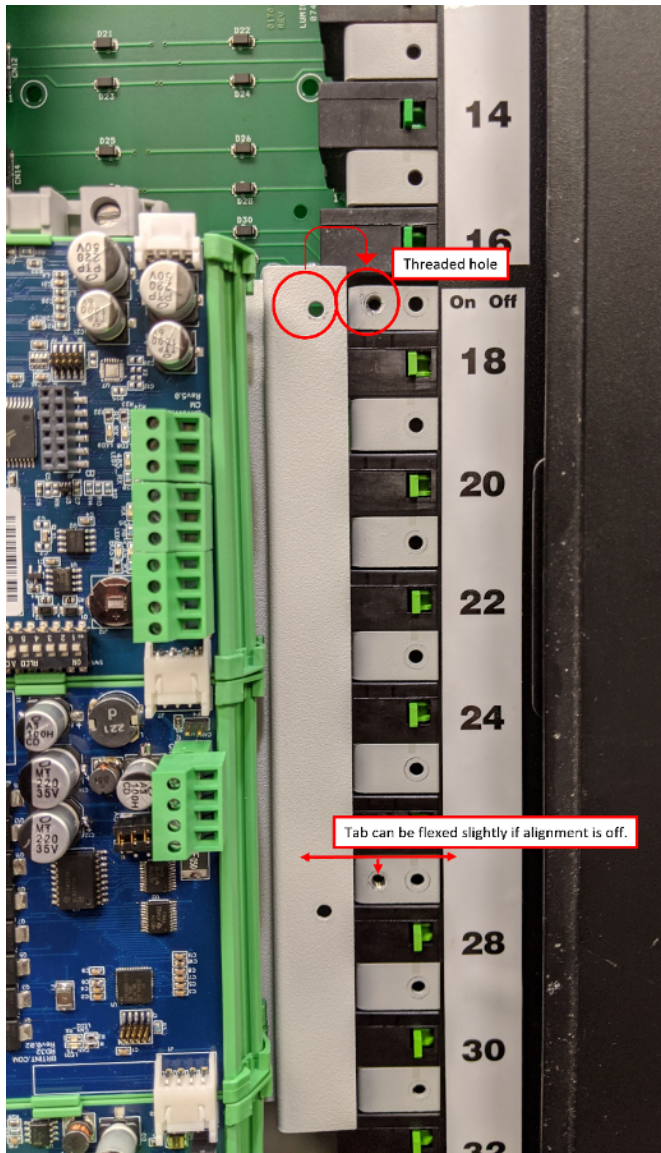
CAUTION: Ensure that any wiring is not routed between the controller board and the mounting plate to prevent damage.

Once the controller board is removed from the panel, unscrew the four screws securing the controller board to the mounting plate. They will be utilized to mount the new RK.



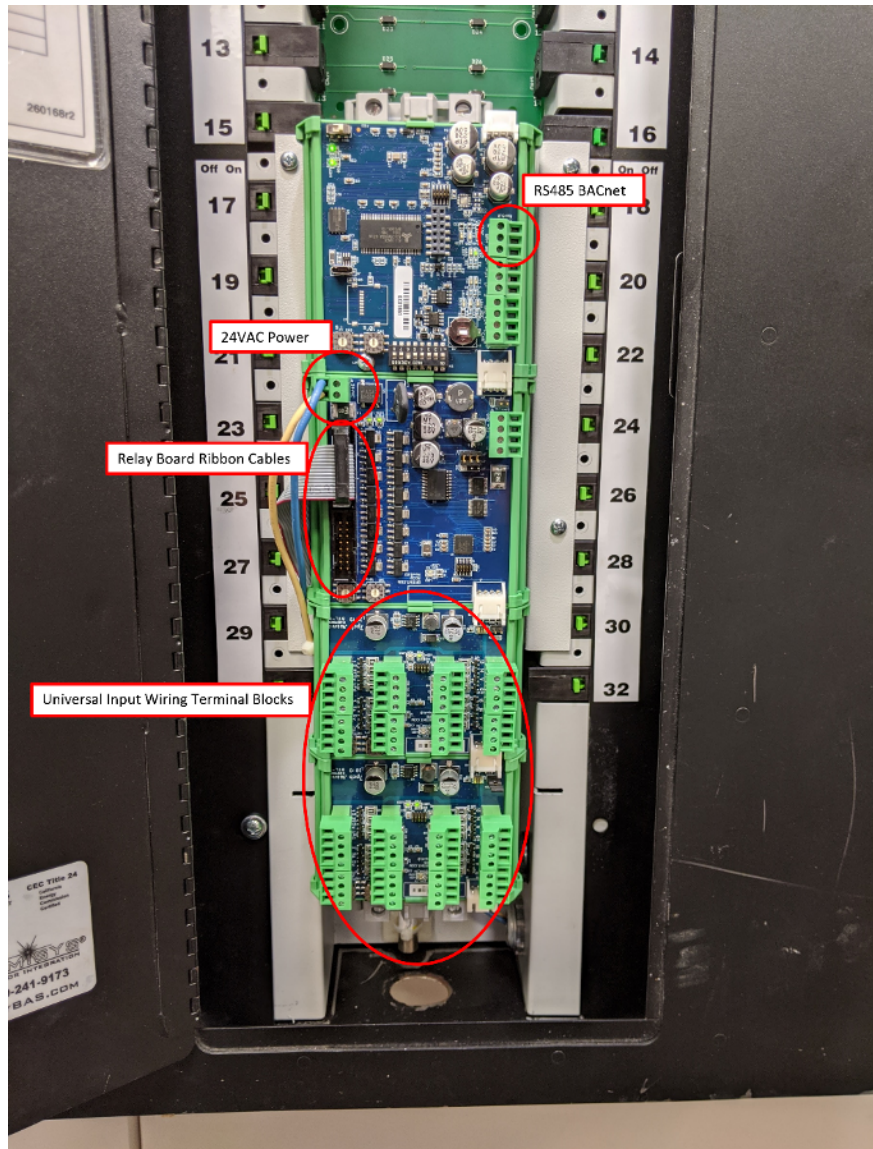
- 3) Align the upper holes of the new RK mounting plate holes with the threaded holes that the original thumb screws threaded into, as shown in the left figure. The other 3 holes of the RK mounting plate will align with other threaded holes.

NOTE: The alignment of the threaded holes may be off slightly due to the flexibility of the metal between the LTR relays. The tab between the relays can be adjusted into place before threading the mounting screw.



- Once the RK has been mounted in the panel, begin connecting the wiring according to the wiring typical and specifications. All connections, except the ribbon cables, from LMB & LX5/LX6 controller board will need to be re-terminated to the RK modules.

CAUTION: The terminal blocks on the RP control board are compatible with the new modules. However, the wiring terminations are different. Please verify wiring before plugging in the terminal block and powering the modules on.



- After all wiring is verified, energize the circuit breaker feeding the 24VAC transformer and begin configuring the CM control module for lighting sequencing and operation.

For configuration help, visit our Essentials help videos webpage at this [Link](#) or call technical support at 770-790-4880 ext.3.