

## Universal Dimmer Instructions

Mounting the Kelmar Universal Dimmer is straightforward. Use at least four #12 sheet metal screws or 3/16" Mollys. When mounting the unit on an irregular masonry wall, use 1/4" washers, where required, behind the mounting plate to avoid springing the case when securing the mounting hardware.

Knockouts have been provided in the upper- and lower-right-hand corner of the case for your convenience. Remove the right-hand-corner wrap by loosening the top and bottom 6-32" Phillips head screws on the rear of the right-hand return. Loosen, DO NOT REMOVE the screws.

The small printed circuit board is for interfacing with either an automation system or manual remote control. The three top terminals, marked COMMON, HIGH and LOW, are for momentary pulse dry reed closure. The three lower terminals on this strip are for use when the system is cascaded in multiples.

The large black terminal block provides line-in, neutral and load terminations. A properly rated breaker should protect the incoming line. If local code requires, branch circuit protection can be provided in the load circuits to the fixtures. The neutral feeding the dimmer from the panel and the neutral for the loads should both be on this terminal block.

The up and down levels can be set using the black knobs on the front cover. A momentary pulse of the associated switches to the left will drive the system to the selected level. The rate at which the dimmer drives up or down can be individually selected by swinging open the control portion of the dimmer and adjusting the rate trimmers on the printed circuit board. Turning the trimmer counterclockwise increases the rate at which change is accomplished; turning it clockwise decreases the rate.

The Universal Dimmer incorporates appropriate design technology and component parts that are conservatively rated and, under normal use, should require no servicing or replacement of active components. It has been thoroughly burned in and its performance verified before shipping.

If you should have any questions or if we may be of any further service, please do not hesitate to contact us at the above address.