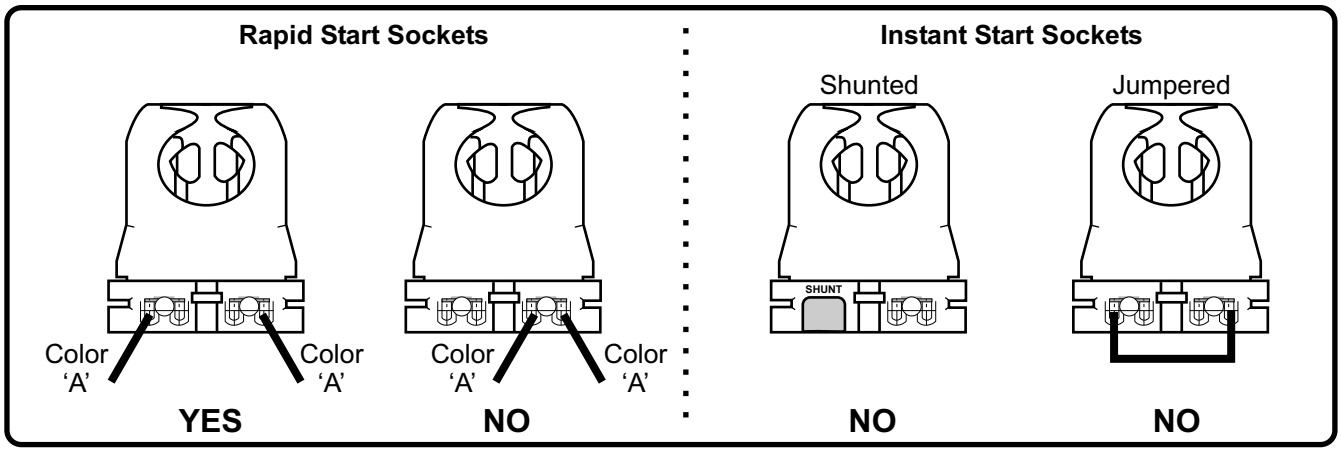
Additional Installation Notes

Mark 7 *0-10V* Dimming, Mark 10 *Powerline* Dimming and ROVR™ Controllable Ballasts

Instant Start vs. Rapid Start Sockets

When retrofitting Mark 7 *0-10V,* Mark 10 *Powerline* and ROVR ballasts into existing fixtures, sockets must be of the **RAPID START** type. Many fixtures with T-8 Instant Start electronic ballasts use jumpered or "shunted" Instant Start sockets. The Mark 7 *0-10V* and Mark 10 *Powerline* and ROVR Programmed Start ballasts require two distinctly separate wires for each lamp socket. If you encounter shunted or jumpered sockets in a retrofit application, they must be removed and replaced with Rapid Start sockets.

Improper socket application will damage the ballast and void the ballast warranty. Refer to ballast wiring diagram for proper installation.



Remote Wiring

Capacitance on the ballast leads reduces the voltage to the lamp as lead lengths are increased. At low light levels, this is a critical issue with dimming ballasts. One and two lamp Mark 7 *0-10V,* Mark 10 *Powerline* and ROVR ballasts for linear lamps can be operated a maximum of 6 feet total lead length from the lamp sockets. All other ballasts for linear lamps and all compact fluorescent ballasts must be operated in the same fixture as the lamps with no remote fixture mounting.

Fluorescent Lamp Burn-In

Linear fluorescent lamps require no "burn-in" period prior to dimming. Compact fluorescent lamps require a 100-hour burn-in at full light output prior to dimming. Failure to burn-in compact fluorescent lamps for 100 hours at full output can result in striations, severe lamp blackening, and poor dimming performance at the low end.

Compact fluorescent lamps may fail prematurely if not properly burned-in.

Mark 10 *Powerline* Dimming Voltage Range

Mark 10 *Powerline* ballasts dim based upon a variation in the RMS voltage from the control source. The values shown below represent the minimum and maximum voltages which correspond to lamps in the full dim state and full output state. These values must be maintained for proper system operation.

120V Input: 56V - 120V **277V Input:** 129V - 277V

For additional support information visit our website at www.advancetransformer.com/support