

KT-EMRG-700

FLUORESCENT EMERGENCY BALLAST



ASSEMBLY AND INSTALLATION INSTRUCTIONS

WARNING: When using this lighting device, safety precautions should be followed at all times.

READ THE INSTRUCTIONS BELOW CAREFULLY AND FOLLOW THEM FOR YOUR OWN SAFETY.

1. Prior to installation, battery connector must be open to prevent high voltage from being present on output leads (red and yellow). It must be connected only after installation is complete and AC Power is supplied to the unit.
2. This device is designed for use with 8W-40W T5, T8 and T12 linear fluorescent and 13W-50W 4-pin compact fluorescent lamps.
3. Please ensure the electricity connections conform to the National Electrical Code and local regulations if applicable.
4. To avoid electric shock, please disconnect normal and emergency power supplies, and battery connector of the emergency ballast before servicing.
5. This device is designed for factory or field installation in either the ballast channel, or on top of the fixture, except air handling heated air outlets, sealed and gasketed fixtures, wet or hazardous location fixtures. Do not install this device near gas or electric heaters.
6. AC power source of 120 VAC or 277 VAC is required.
7. The battery is sealed, no-maintenance, and is not replaceable in the field. Please contact manufacturer for information on service. Do not attempt to service the battery.
8. Do not use accessory equipment that is not recommended by manufacturer. Failure to do so may cause unsafe conditions. Servicing should only be performed by qualified service personnel.
9. Do not use the product for other than its intended purpose.

SAVE THESE INSTRUCTIONS

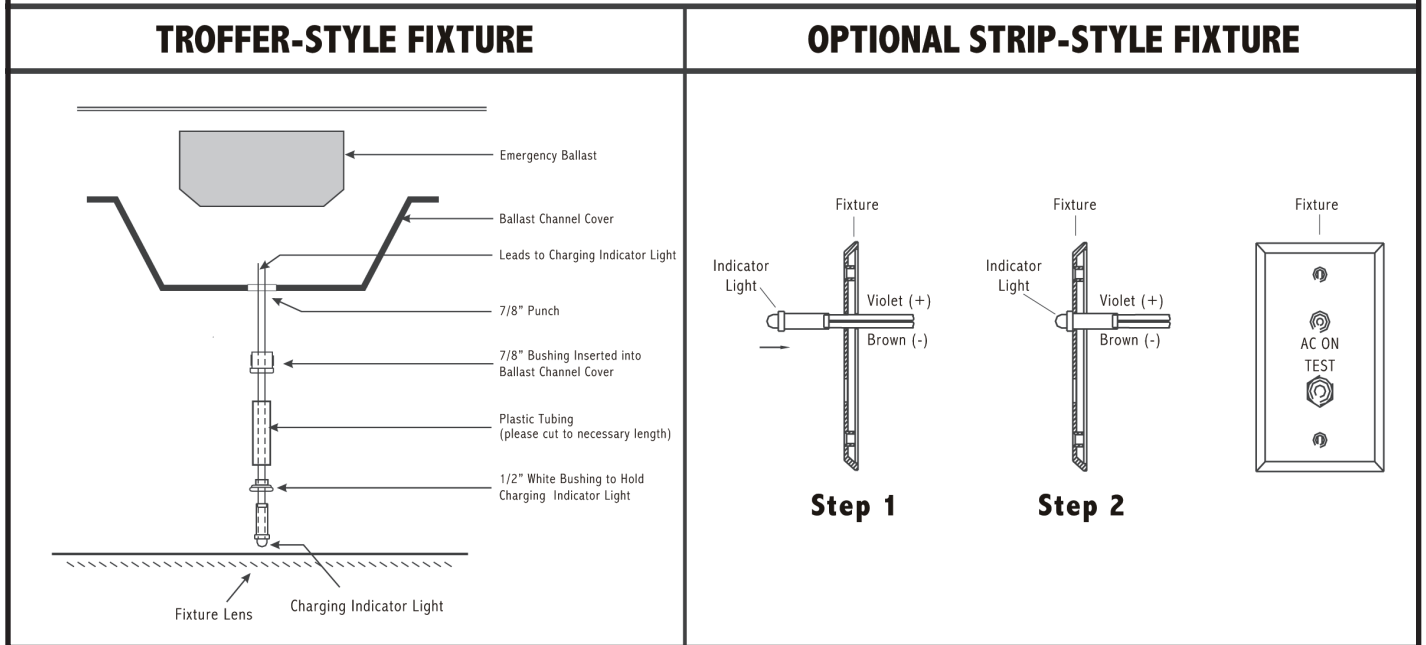
LAMP COMPATIBILITY

- Compatible with most one-, two-, three-, and four-lamp electronic, standard and dimming AC ballasts.
- Operates the following lamps under emergency power:

	T8 (W)		T10 (W)	T12 (W)		4-Pin CFL (W)		4-Pin Long CFL (W)		T9 Circline (W)	U-Bend (W)	
	1	2	1 or 2	1	2	1	2	1	2	1 or 2	T8	T12
No. of Lamps	1	2	1 or 2	1	2	1	2	1	2	1 or 2	1 or 2	1 or 2
Wattage	17-110	17-40	17-40	17-110	17-40	13-42	13-39	18-50	18-36	20-40	32, 40	34, 40

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DIAGRAM 5



OPERATION

- The charging indicator light would be on to indicate the battery is being charged when AC power is applied.
- This emergency ballast would function and operate one or two lamps at least 90 minutes when the AC power is failed.

MAINTENANCE

Note: Services should only performed by qualified personnel. The emergency ballast should be checked periodically to confirm proper functioning and the following schedule is recommended:

1. To inspect the charging indicator every month and confirm that is illuminated.
2. Push the test switch for 30 seconds to ensure the emergency ballast is functioning. Recommended to perform this testing every 30 days.
3. Perform a long-term test (90-minute battery discharge) at least once every year. One or two lamps should operate for no less than 90 minutes.

Written records of testing shall be kept by the owner for inspection by the authority having jurisdiction.

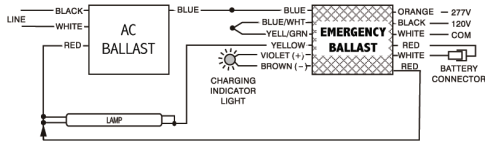
SERVICING SHOULD BE PERFORMED ONLY BY QUALIFIED PERSONNEL.

TYPICAL WIRING DIAGRAMS.

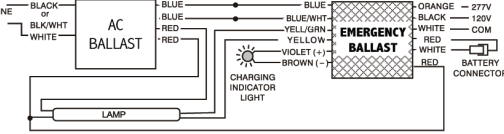
For wiring diagrams of ballasts not shown, consult our customer service.

For 1-Lamp Emergency Operation

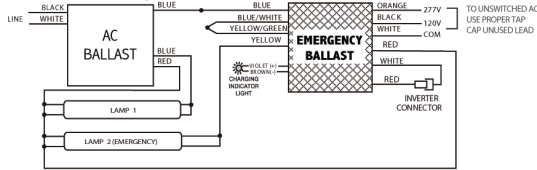
A. Instant Start AC Ballast



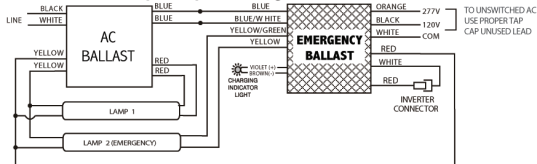
B. Rapid/Program Start AC Ballast



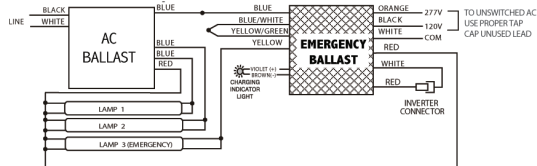
C. Two-Lamp Instant Start AC Ballast



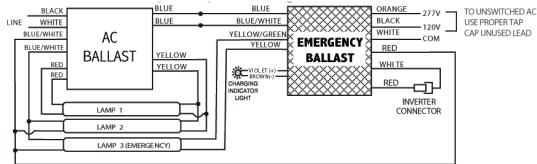
D. Two-Lamp Rapid/Program Start AC Ballast



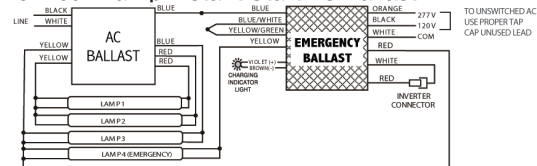
E. Three-Lamp Instant Start AC Ballast



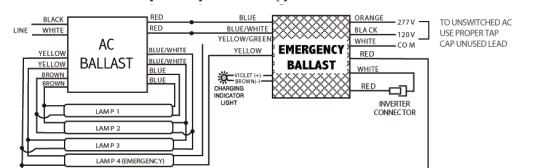
F. Three-Lamp Rapid/Program Start AC Ballast



G. Four-Lamp Instant Start AC Ballast

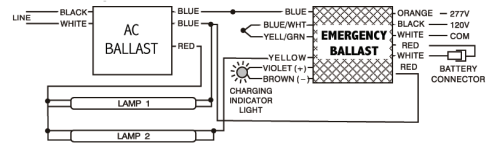


H. Four-Lamp Rapid/Program Start AC Ballast

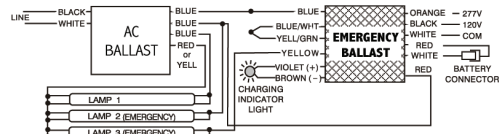


For 2-Lamp Emergency Operation

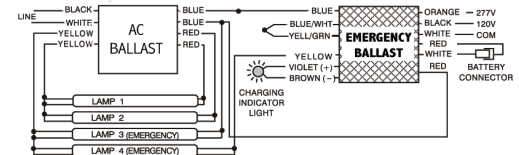
A. Two-Lamp Instant Start AC Ballast



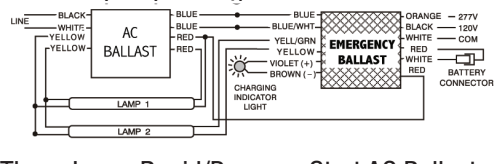
B. Three-Lamp Instant Start AC Ballast



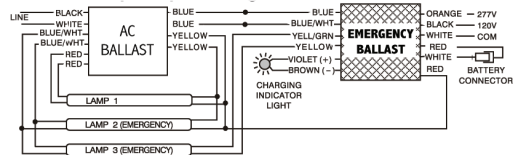
C. Four-Lamp Instant Start AC Ballast



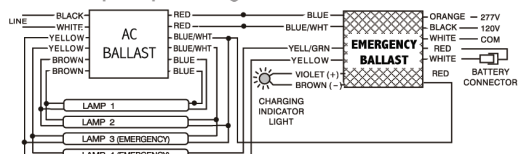
D. Two-Lamp Rapid/Program Start AC Ballast



E. Three-Lamp Rapid/Program Start AC Ballast

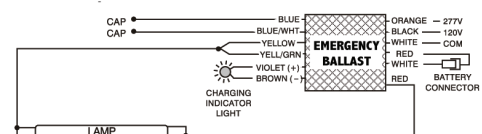


F. Four-Lamp Rapid/Program Start AC Ballast

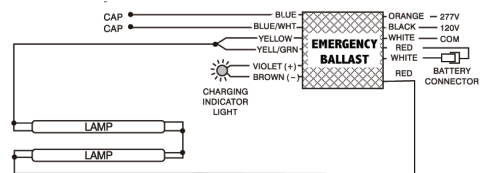


Emergency-Only Operation

A One-Lamp Without AC Ballast



B. Two-Lamp Without AC Ballast



NOTE: Use the proper tap cap to unswitched AC lead.

WIRING DIAGRAMS