

# INSTRUCTIONS: Models EN-12100-R-AR and EN-12150-R-AR 100/150 Watt 12 Volt Electronic Transformers

## CAUTION – TO REDUCE RISK OF FIRE AND ELECTRICAL SHOCK

- Always turn off power at main switch prior to installation.
- Intended for installation by a qualified electrician.
- System is intended for installation in accordance with National Electric Code, and local regulations. Consult with local inspector to assure compliance.

	EN-12100-R-AR	EN-12150-R-AR
MAX LOAD	100W	150W
MIN LOAD	35W	50W
INPUT VOLTAGE	120V	120V
INPUT CURRENT	0.79A	1.18A
OUTPUT VOLTAGE	11.6V	11.6V
MAX CASE TEMP	90° C (194°F)	
AMBIENT TEMP	-20° C ~ +50° C (-4°F ~ 122°F)	

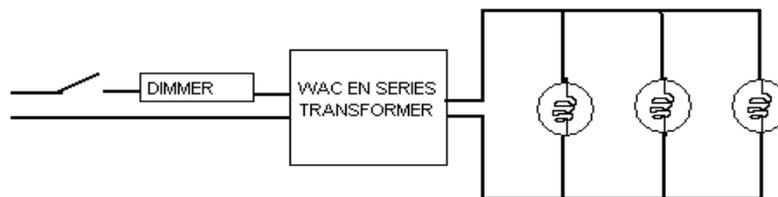
## FEATURES:

- Radio disturbance suppression.
- Electronic short circuit protection with auto reset.
- Overload protection with auto reset.
- Soft start delay to preserve bulb life, for use with tungsten filament lamps.
- Dimmable with electronic dimmer switches.

## INSTALLATION:

1. Use #14 AWG (minimum) wire for output wire.
2. Transformers must be installed away from heat sources and accessible for service.
3. Unit is a UL listed component for replacement installation, requires enclosure.
4. Dimmer switches install on the primary side.
5. Connect building wires to like color transformer wires with wire nuts. Building ground wire may be green or un-insulated, and attaches to ground screw on enclosure.
6. Connect out put wires from transformer to fixture wires with wire nuts. Wires to fixtures may be chain wired or “home run” wired back to the transformer. High frequency output is only readable with a true RMS meter with sufficient range capability.

MAXIMUM LENGTH / VOLTAGE DROP GUIDELINE					
WIRE SIZE	LOAD				
	35 W	50 W	60 W	100 W	150 W
14 GAUGE	21 FT	19 FT	15 FT	14	12
12 GAUGE	28 FT	25 FT	21 FT	19	17



# INSTRUCTIONS: **Model EN-24150-R-AR** **150 Watt 24 Volt Electronic Transformers**

## CAUTION – TO REDUCE RISK OF FIRE AND ELECTRICAL SHOCK

- Always turn off power at main switch prior to installation.
- Intended for installation by a qualified electrician.
- System is intended for installation in accordance with National Electric Code, and local regulations. Consult with local inspector to assure compliance.

MAX LOAD	150W
MIN LOAD	50W
INPUT VOLTAGE	120V
INPUT CURRENT	1.3A
OUTPUT VOLTAGE	23.6V
MAX CASE TEMP	90°C (194°F)
AMBIENT TEMP	-20°C ~ 50°C (-4°F ~ 122°F)

## FEATURES:

- Electronic short circuit protection with auto-reset.
- Overload protection with auto-reset.
- Automatic thermal regulation.
- Soft Start delay to preserve bulb life, for use with tungsten filament lamps.
- Dimmable with electronic dimmer switches.

## INSTALLATION:

1. Use #14 AWG (minimum) wire for output leads.
2. Unit is a UL listed component for replacement installation, requires junction box or listed enclosure.
3. Dimmer switches install on the primary side.
4. Transformers must be installed away from heat sources and accessible for service.
5. Connect building wires to like color transformer wires with wire nuts. Building ground wire may be green or un-insulated, and attaches to ground screw on enclosure .
6. Connect out put wires from transformer to fixture wires with wire nuts. Wires to fixtures may be chain wired or “ home run” wired back to the transformer. High frequency output is only readable with a true RMS meter, with sufficient range capability.

MAXIMUM LENGTH / VOLTAGE DROP GUIDELINE				
WIRE SIZE	50 WATT	75 WATT	100 WATT	150 WATT
14 GAUGE	60FT	50 FT	40FT	25FT
12 GAUGE	65FT	60 FT	45FT	30FT

