

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component, Light-emitting-diode (LED) Controller, ECOdrive Series, POWERdrive Series, and LINEARdrive Series.

ELECTRICAL RATINGS:

Cat. No.	Input Voltage (Vdc)	Input Current (A) / Input Wattage, W	Output Voltage (Vdc)	Output Current (mA)	Output Power (W)
ECOdrive	12-32		12-32		
15D				200-500	15
30D				200-1050	30
45D				200-1400	45
POWERdrive	12-32		12-32		
45D				200-500	45
90D				200-1050	90
180D				200-1400	180
LINEARdrive	12-28				
100D			12-24	6000	100
180D			12-28	6000	180
720D			12-48	24000	720
LINEARdrive					
210D	12-28	8/224	12-28	8000	216
211D			12-28	8000	216
212D			12-28	8000	216
220D			12-28	8000	216
222D			12-28	8000	216

TECHNICAL CONSIDERATIONS (NOT FOR UL FIELD REPRESENTATIVE USE):

For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

*USR indicates compliance with **the UL 8750, Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, First edition.**

CNR indicates product complies with the Canadian National Standard for General Requirements - Canadian Electrical Code Part II, CSA C22.2 No. 0; for Luminaires, CSA C22.2 No. 250.0; and the Canadian country-specific requirements.

*This component has been judged on the basis of the required spacings in the **Standard for Light Emitting Diode (LED) Equipment for Use in Lighting Products, First edition. UL 8750, and the CSA Standard for Luminaires, CSA C22.2 No. 250.0.**

Conditions of Acceptability - When installed in the end use equipment, the following are among the considerations to be made.

1. A mounting means is provided. Consideration of the mounting means for the LED Controller shall be determined in the end product application.
2. The LED Controllers have been evaluated for connection to the output of Isolated Class 1 or Class 2 power sources rated 12-48 V for LINEARdrive series or 12-32 V for ECOdrive and POWERdrive series.
3. The LED Controllers are suitable for use in dry and damp locations. The use in other environments shall be considered in the end product evaluation.
4. The LED Controllers have been tested at 50°C ambient with a maximum case temperature of 65°C in a minimum compartment with dimensions of 203.0 mm by 63.5 mm by 38.0 mm for series LINEARdrive or ecodrive and 241.0 mm by 63.5 mm by 38.0 mm for series POWERdrive. Acceptable operation at a higher temperature or in a smaller compartment should be determined.
5. When the LED Controller is provided with a Class 2 input the output is considered Class 2.
- *6. When the LED Controller is supplied by a **Non**-Class 2 input the unit is to be installed in a suitable enclosure. For series ECOdrive enclosure can be either plastic or metal and the minimum dimensions are 203 mm by 63 mm by 38 mm. For series LINEARdrive enclosure to be metal and the minimum dimensions are 203 mm by 63 mm by 38 mm. For series POWERdrive enclosure to be metal and the minimum dimensions are 241 mm by 63 mm by 38 mm.
7. The suitability of the input data connections when used with a Class 2 input source shall be determined in the end use. Consideration shall be given to re-conducting output measurements since the power and control circuits are not isolated.
8. The EcoDrive is provided with a connection for an external NTC. The suitability of the connection is to be determined in the end use.
9. The LinearDrive 720 internal operating temperatures comply when the case temperature (Tc) is limited to 65°C maximum. Consideration shall be given to measuring the internal printed wiring board temperature (max 130°C) if the Tc temperature exceeds 65°C. The case temperature shall not exceed 80°C.