

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	12-28	8/224			
210D			12-28	8000	216
211D			12-28	8000	216
212D			12-28	8000	216
220D			12-28	8000	216
222D			12-28	8000	216
LINEARdrive					
200D-D2Z1D	12-28	8/224	12-28	8000	216
200D-D2Z2C	12-28		12-28	8000	216
200D-D2Z2D	12-28		12-28	8000	216

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

- *1. **The suitability of the mounting means** 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 **control modules were** tested at 50°C ambient with a maximum case temperature of 65°C **while were installed in** compartment with **following dimensions:**

Control Module Designation	Compartment Designation, mm
LINEARdrive or ECOdrive	203 by 63.5 by 38
POWERdrive	241 by 63.5 by 38

- * **The suitability of the control modules for** higher temperature **ambient level than 50 C** or **installation inside** a compartment **with smaller dimensions in the use** 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 data connections means** 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 **from the input source of supply.**

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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. When the LINEARdrive control modules installed in the end-use application, the case temperature at the (Tc) location should not exceed 65°C. the PWB temperature (max 130°C) and the polymeric materials of the case temperature shall not exceed 80°C.
10. The LINEARdrive models 200D-D2Z1D, 200D-D2Z2C, and 200D-D2Z2D are provided with LED Code circuit option