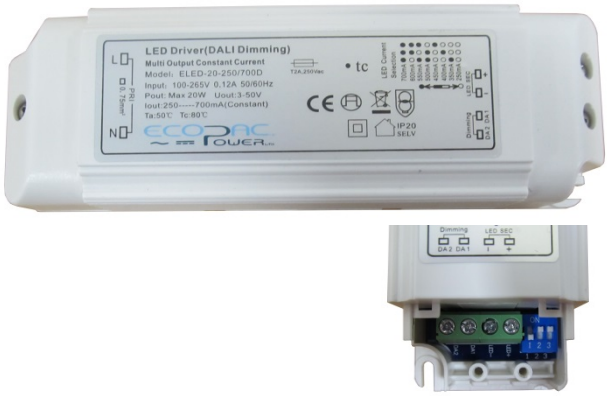
ELED-20-250/700D

20W Multiple-Stage Output Current LED Driver



■ Features:

- ·Output constant current
- ·Range 100-265VAC
- ·Built-in active PFC function
- ·Efficiency 86% Max
- ·Protections: short circuit/over load/ over current/
- ·Cooling by free air convection
- ·IP20 design for indoor installation .
- ·Dimming function: Built in DALI interface dimming function conform to DALI Protocol IEC62386
- ·Dimming range from 0.1% to 100%
- ·Suitable for intelligent LED lighting
- ·Compliance to worldwide safety regulations for lighting
- ·Suitable for dry locations

CE IP20 SELV

Model		ELED-20-250/700D							
Output	Rated Current	700mA	600mA	550mA	500mA	450mA	400mA	350mA	250mA
	Current Tolerance	±3%							
	DC Voltage	3-28V	3-32V	3-36V	3-40V	3-45V	3-50V	3-50V	3-50V
	Rated Power	20W	20W	20W	20W	20W	20W	17.5W	12.5W
Input	Rated Input Voltage	100-265 VAC							
	Rated Frequency	47~63HZ							
	Power Factor (Typ.)	0.94	0.94	0.94	0.94	0.94	0.94	0.93	0.92
	Full Load Efficiency	85%	85%	85%	86%	86%	86%	86%	86%
	AC Current	0.12A	0.12A	0.12A	0.12A	0.12A	0.12A	0.12A	0.12A
	Leakage Current	<0.70mA/220VAC							
Protection	Short Circuit	Protection type: Hiccup mode, Recovers automatically after fault condition is removed							
	Over Current	≦1.4*Iout							
	Over Load	≦ 120%							
	Protection	II							
Environment	Working TEMP	-40 ~ +60°C							
	Working Humidity	20~95%RH, non-condensing							
	Storage TEM Humidity	-40~+80°C, 10~95%RH							
	TEMP Coefficient	±0.03%/°C (0~50°C)							
	Vibration	10~500Hz, 5G 12							

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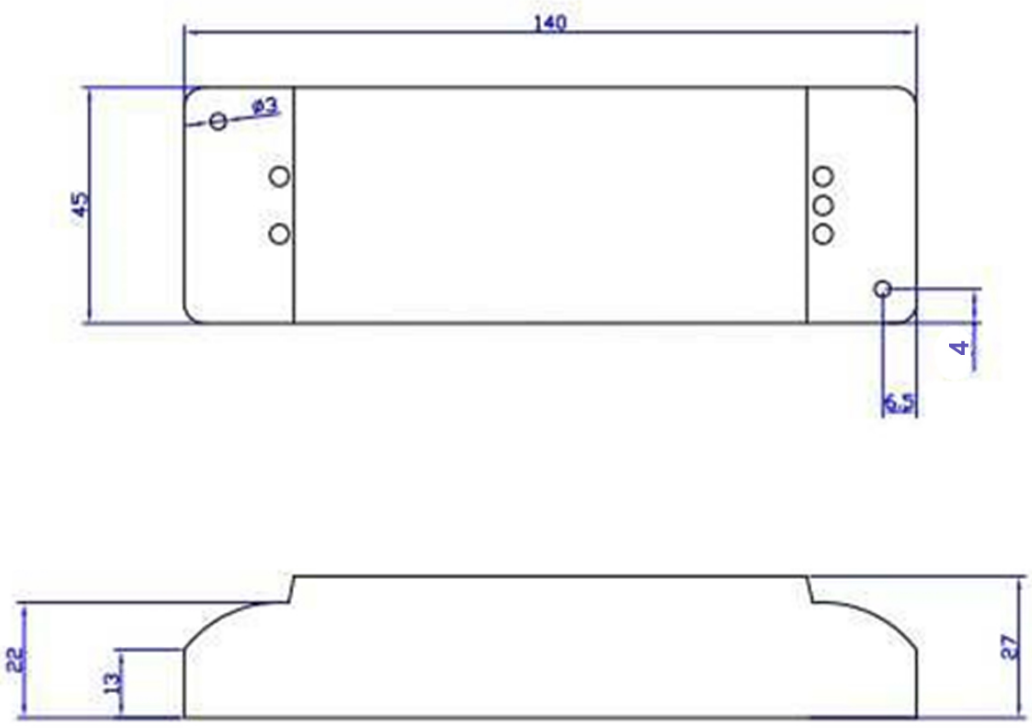
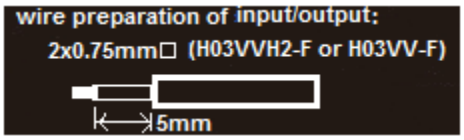
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13 IP20
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P：100MΩ/500VDC/25℃/70%RH
	EMC EMISSION	Compliance toEN55015,EN61000-3-2,3 (≧50%load)
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11,EN61547,A light industry level （surge4KV）
Others	Weight	0.19Kg
	Size	140*45*28mm（L*W*H）
	packing	320*280*215（50PCS/CTN ） 145*47*35 mm for inner box
Notes	1. All parameters NOT specially mentioned are measured at 220VAC input , rated load and 25℃of ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation . 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be-qualify EMC Directive on the complete installation again 4. Loading range 70% to 100%.	

■ Mechanical Specification



■Label

※Input with Live Wire(L)　Neutral Wire (N)
※Output LED SEC output Positive(LED+),output negative(LED-).Connected to LED Lamps.
※Signal Dimming （DA1）, (DA2） DALI Non polar！Connected to the　BUS of the DALI Master.
∗When installing the LED driver and making input and output connections, cross-section area of conductor for input and output terminal block:0.75mm²(cord type: H03VVH2-F or H03VV-F).

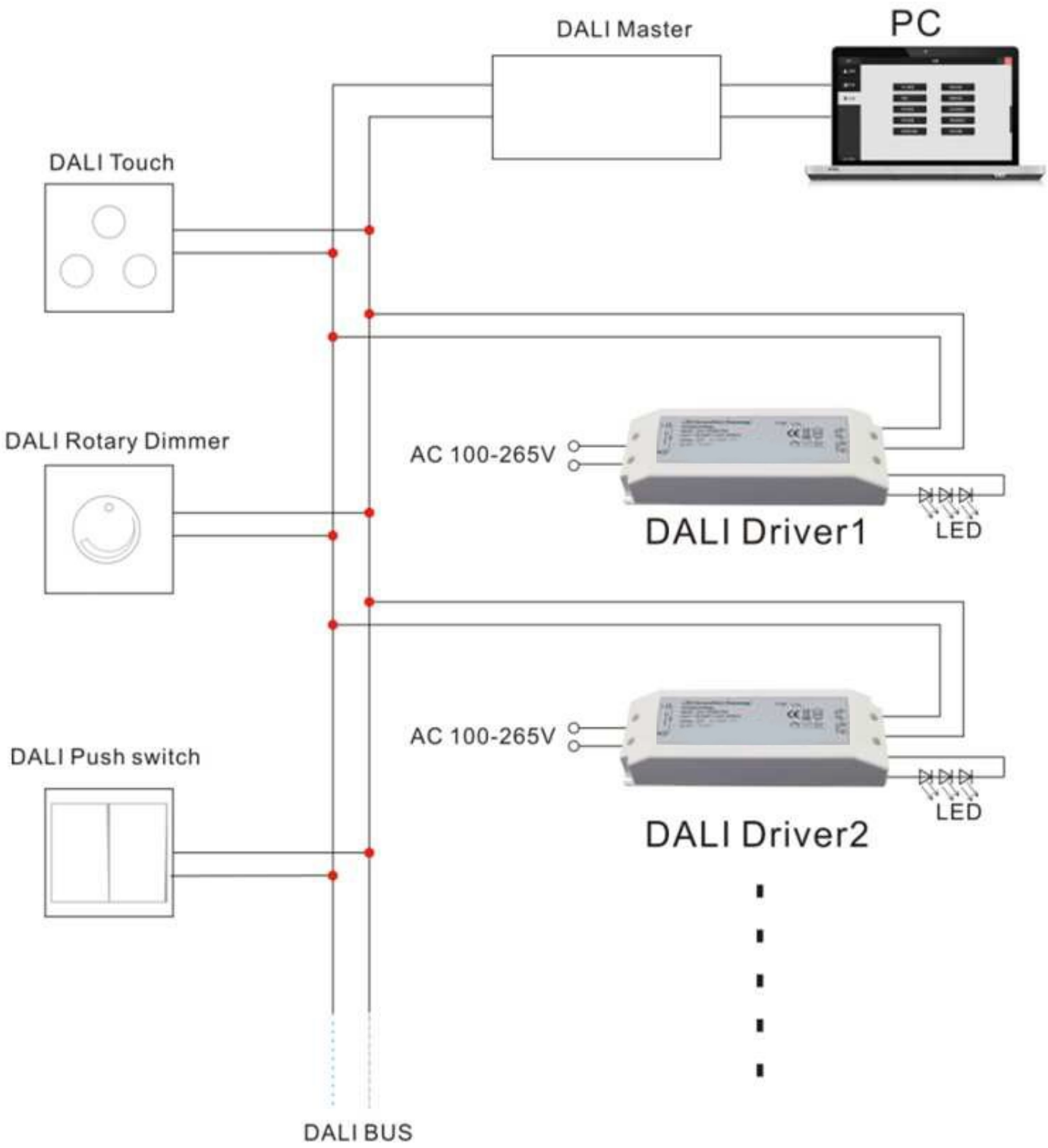


※ Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
※ Note: Any other requests we can customized.

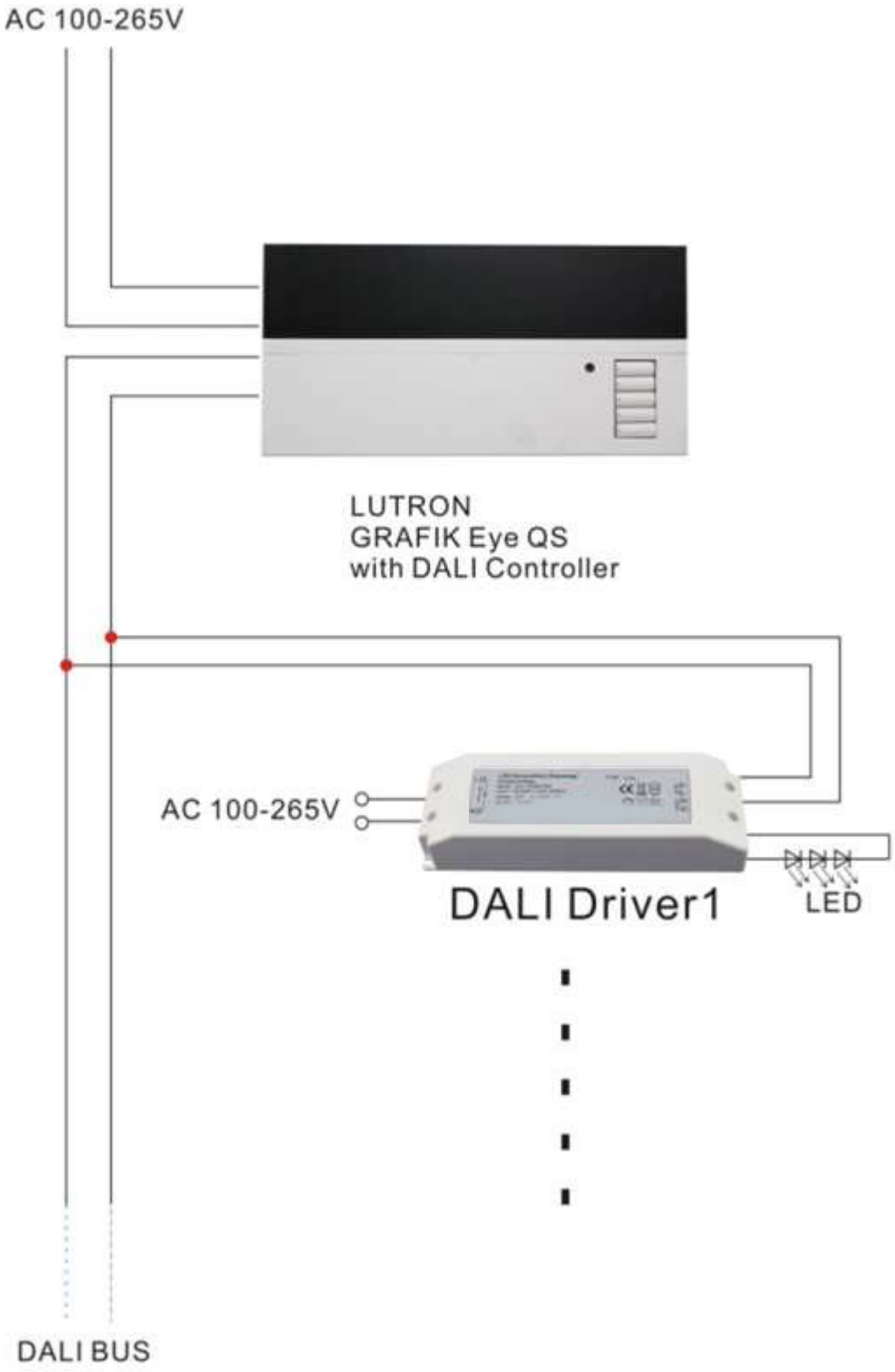
■ Dimming Operation

※ Connect the Dali signal line to the Dali bus of the controller (the Dali Master).
After Dali Master scanning and address assignment, the driver can be successfully dimmed.
Please refer to Diagram 1
※ Notice:In the market, some DALI controllers has bus-powered functions .If not,please add an extra power supply.(DALI Power).
※ Any incorrect connecting of signal line and output line would damage the master.

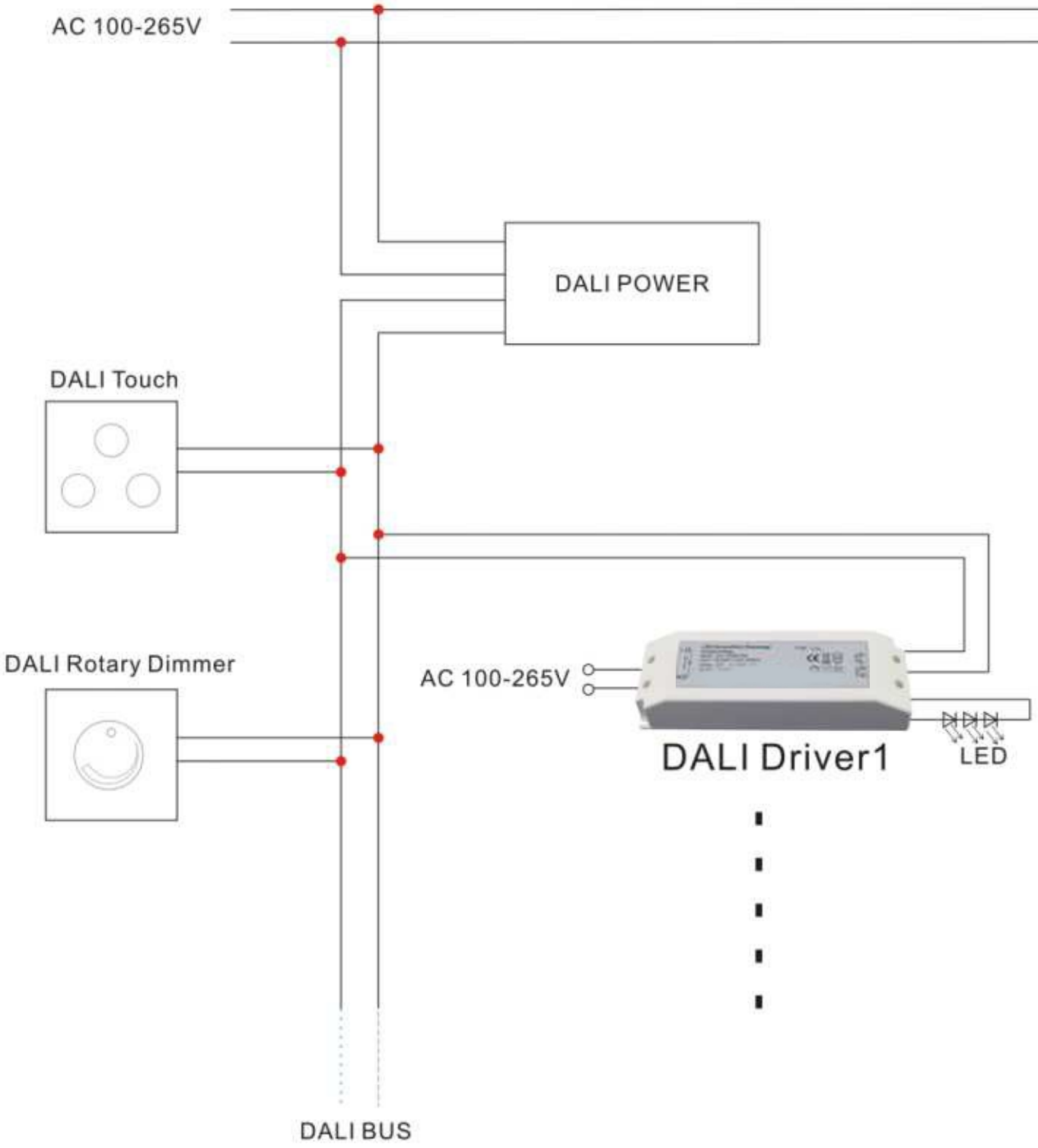
■Operation Reference No.1:



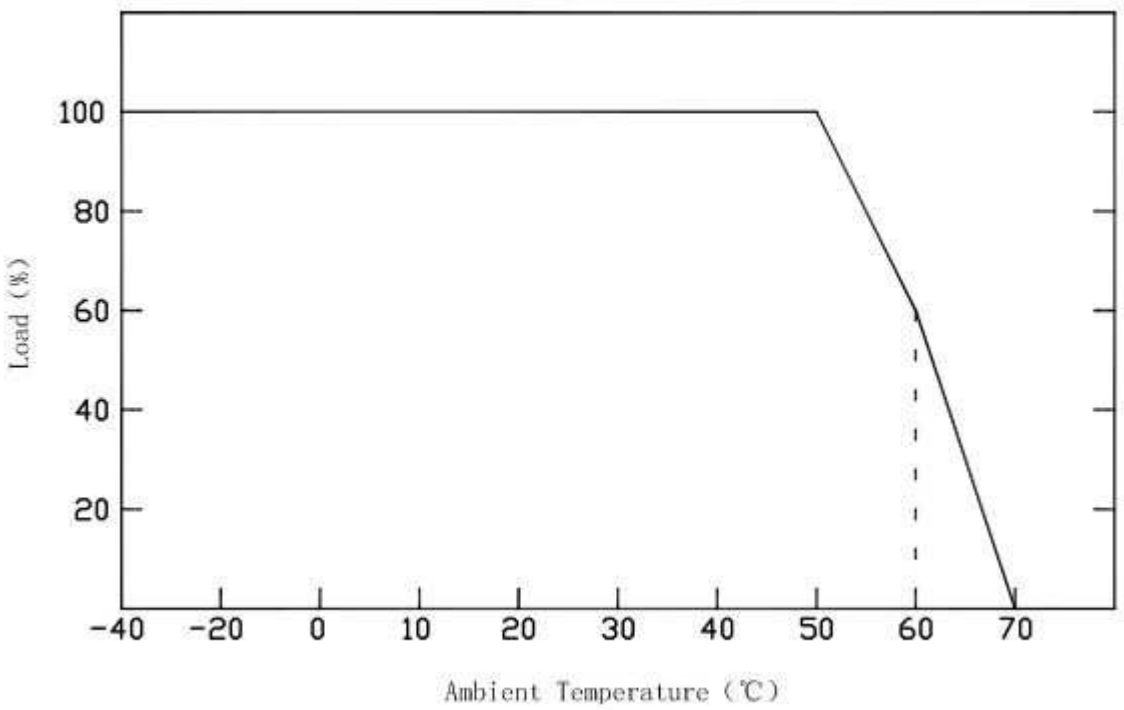
■Operation Reference No.2:



■Operation Reference No.3:



■Derating Curve



※ To extend their life, please refer to the Derating Curve and derate according to the temperature.