

ORLRPV60D-600-2100MA

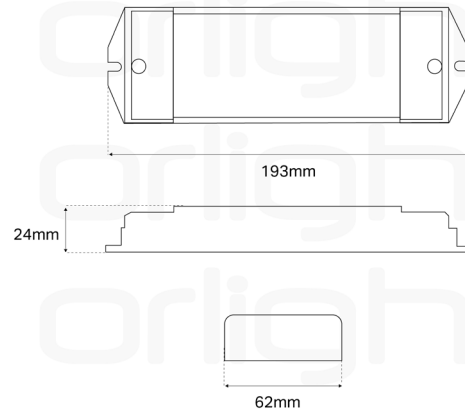
ITEM NO. 28859

Features:

- Constant Current mode output with multiple levels selectable by dip switch
- Dimming function: Triac/phase cut dimming
- Work with leading or trailing edge Triac dimmer
- (ON key: leading edge; 1 key: trailing edge)
- AC input: 200-240VAC
- Built-in active PFC function Efficiency up to 80%
- Efficiency up to 83%
- IP20 design for indoor installation
- Full protection plastic housing easy installation
- Protections: Short circuit/ Over load
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Strong compatibility, flicker-free dimming



Dimension



Technical Specification

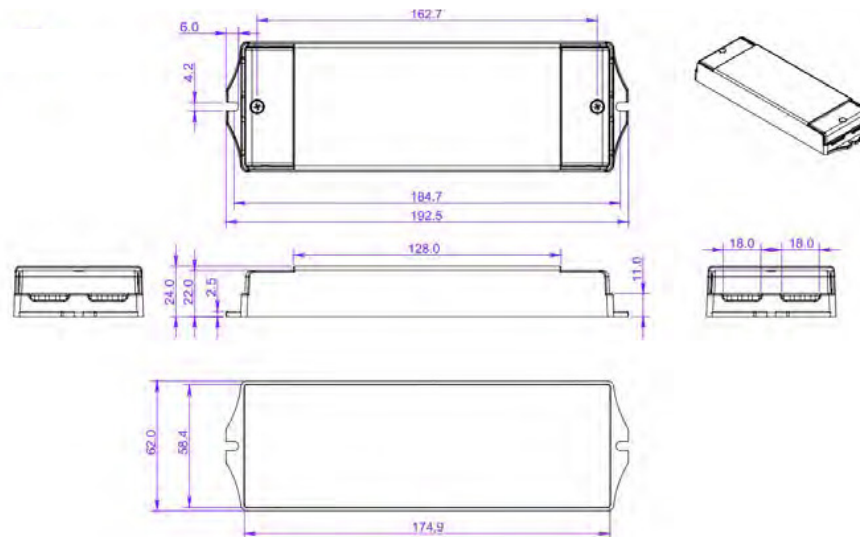
Models			ORLRPV60D-600-2100MA ON OFF															
Output	Rated current (A)	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	
	DIP Code			T		T		TT		T		T T		TT		TTT		
	DIP Code		T		TT		T T		TTT		T T		TT T		T TT		TTTT	
	Output Voltage	3-65V				3-60	3-55	3-50	3-46	3-43	3-40	3-38	3-35	3-33	3-32	3-30	3-39	
	Rated power	39	45.5	52	58.5	60												
Input	Voltage Range	200-240VAC																
	Frequency Range	47-63Hz																
	Inrush Current	30.4A (Twidth=37μs 230VAC)																
	Power Factor (Typ.)	0.98																
	Full Load Efficiency (Typ.)	83%																
	AC Current (Typ.)	0.45A																
	Leakage Current	<0.50mA/220VAC																

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Technical Specification Continued

Protection	Short Circuit	Constant Current mode, recovers automatically after fault condition is removed
	Over Loading	≤120%
	Over Current	≤1.4*I out
	Protection Class	II
Environment	Working Temperature	-40~+60°C (Refer to derating curve)
	Working Humidity	20 -90% RH, non-condensing
	Storage Temperature, Humidity	-40~+80°C, 10 -95% RH
	Temperature Coefficient	±0.03%/°C (0-50°C)
	Vibration	10-500Hz, 2G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes
Safety & EMC	Safety standards	EN61347-1, EN61347-2-13, UL8750
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH
	EMC Emission	Compliance to EN55015, EN61000-3-2,3 (≥50% load), FCC Part 15B
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11, EN61547, A light industry level (surge 4KV)
Other	Weight	0.30 kg
	Size	193 x 62 x 24 mm

Mechanical Specification



- Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- Suggested wire diameter: Input 0.75-2mm²; Output:0.5-2mm².
- Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
- Note: Any other requests we can customised.

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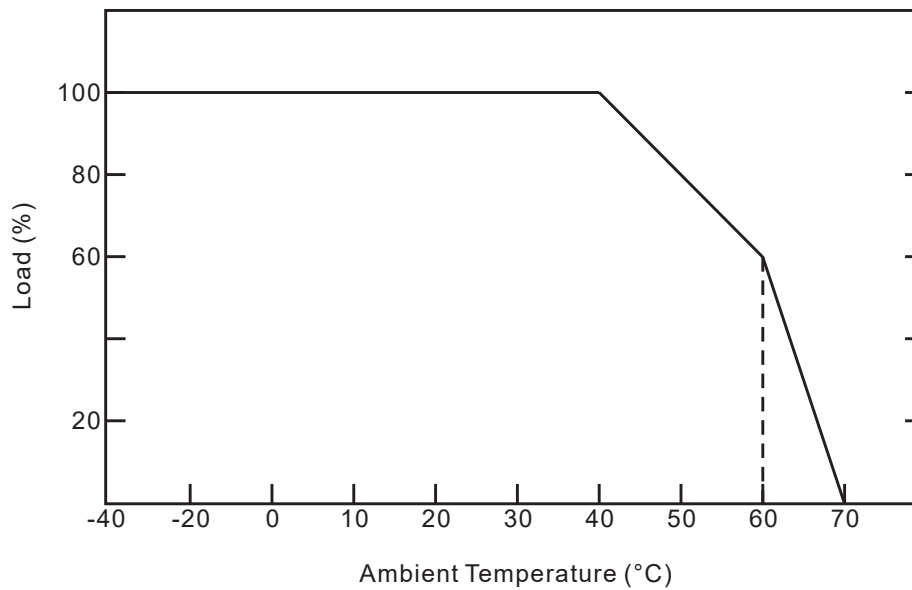
Dimming Operation

- Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.
- Usually matching with leading edge and trailing edge dimmer both.

At input area of ORLRPV60D-600-2100MA series:

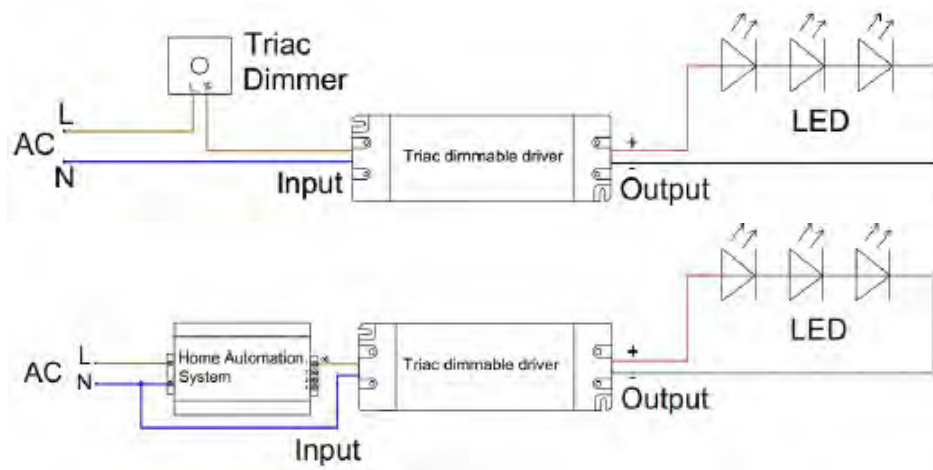
- please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero
- please try to use dimmers with power at least 2 times as the output power of the driver.

Derating Curve



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

Connecting Diagram in Single (I)



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Connecting Diagram Multiple (II)

