

ORLRPV40D-300-1400MA

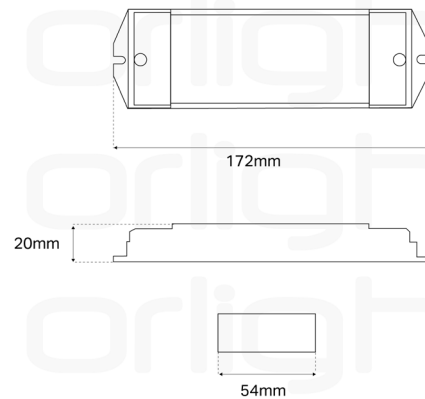
ITEM NO. 40197

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%
- 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

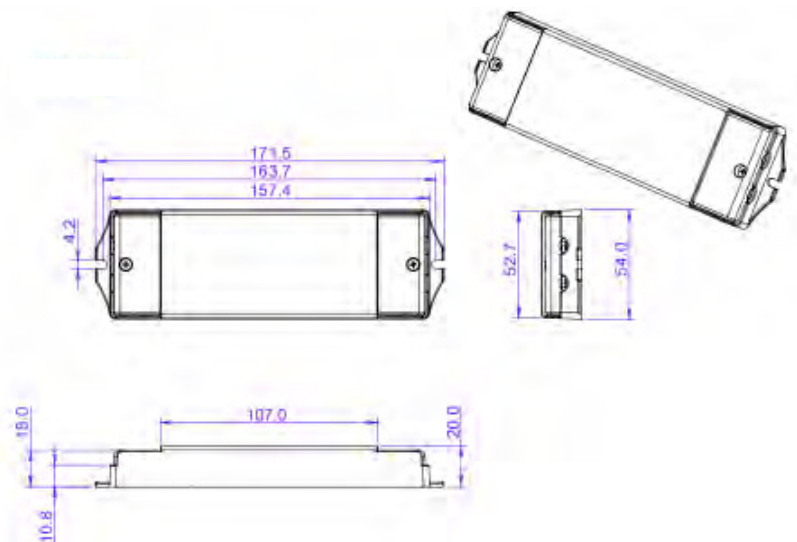
Models			ORLRPV40D-300-1400MA ON OFF															
Output	Rated current (A)	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	
	DIP Code	TTTT		TTT		TTT		TTT		TTT		TTT		TTT		TTT		
	DIP Code		TTTT		TTT		TTT		TTT		TTT		TTT		TTT		TTT	
	Output Voltage	3-65V								3-62	3-57	3-50	3-45	3-40	3-37	3-34	3-31	3-29
	Rated power	19.5	22.8	26	29.3	32.5	32.8	39	40									
Input	Voltage Range	200-240VAC																
	Frequency Range	47-63Hz																
	Inrush Current	2.96A (Twidth=7.6μs 230VAC)																
	Power Factor (Typ.)	0.95																
	Full Load Efficiency (Typ.)	78%																
	AC Current (Typ.)	0.15A																
	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 12min./ 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	0.17 kg
	Size	172 x 54 x 20 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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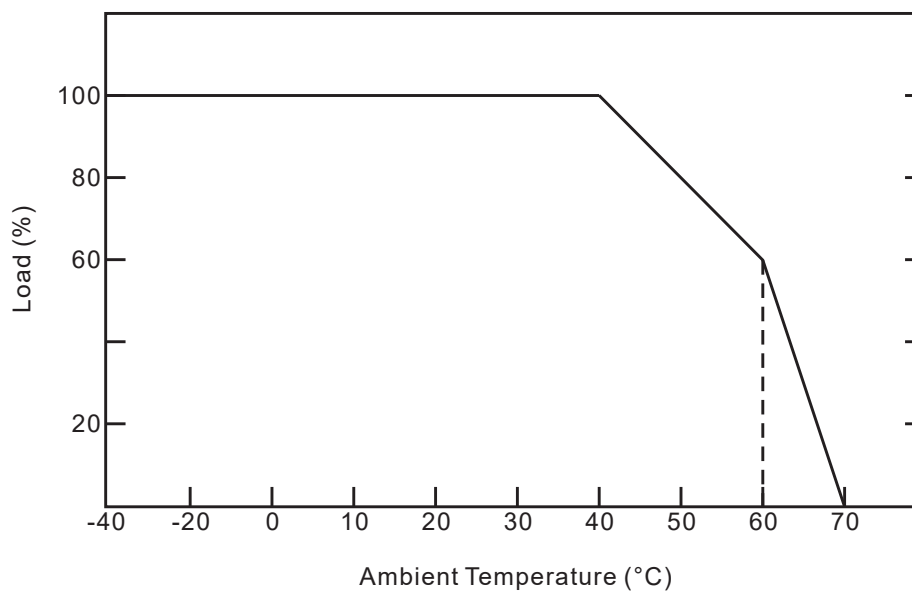
Dimming Operation

- 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 ORLRPV40D-300-1400MA series:

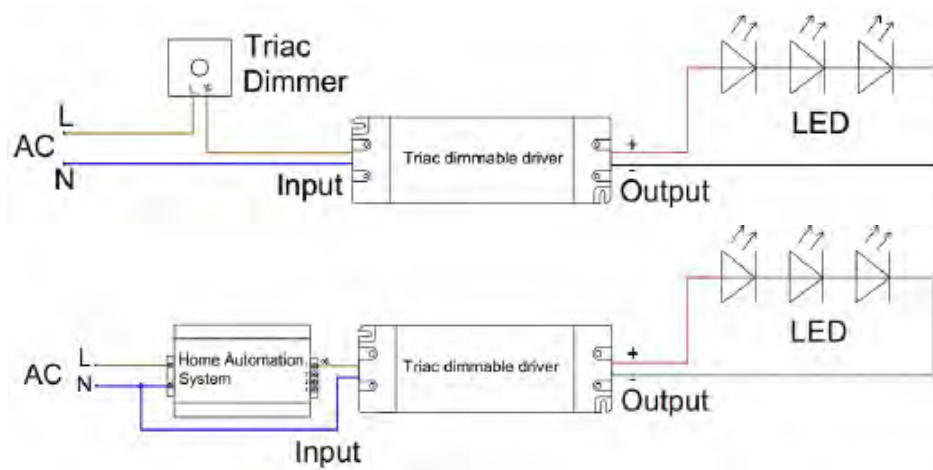
- please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero
- please try to use dimmers with power at least 2 times as the output power of the driver.

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)

