

# ORLRPV10D-350MA

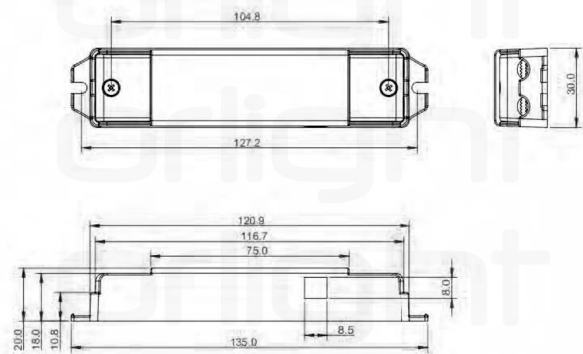
ITEM NO. 40235

## 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 75%
- 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

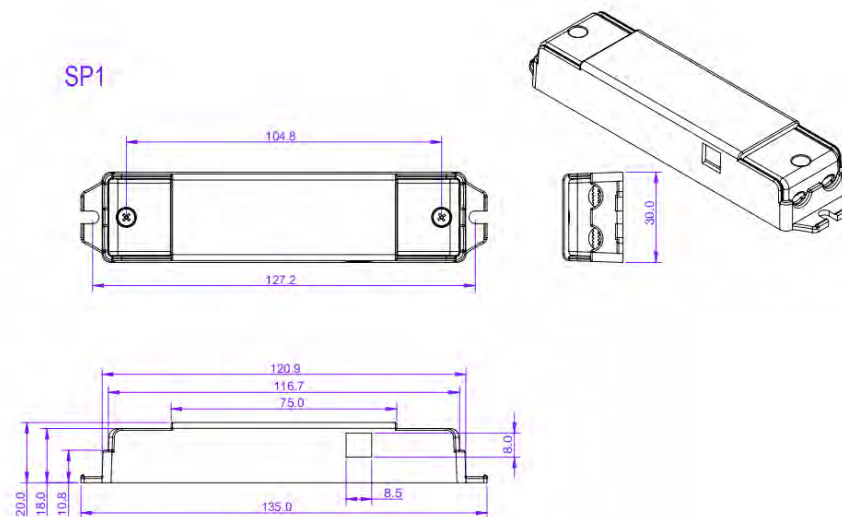
| Model           |                             | ORLRPV10D-350MA <b>T</b> OFF <b>L</b> ON |
|-----------------|-----------------------------|------------------------------------------|
|                 | Rated Current               | 350mA <b>L</b> <b>T</b> <b>L</b>         |
|                 | Current Tolerance           | ± 25mA                                   |
|                 | Output Voltage              | 3-28V                                    |
|                 | Rated power                 | 10W                                      |
| Input           | Voltage Range               | 200-240VAC                               |
|                 | Frequency Range             | 47-63Hz                                  |
|                 | Inrush Current              | 11 A (Twidth=7.2μs 230VAC)               |
|                 | Power Factor (Typ.)         | 0.95                                     |
|                 | Full Load Efficiency (Typ.) | 79%                                      |
|                 | AC Current (Typ.)           | 0.1A                                     |
| Leakage Current |                             | <0.50mA/220VAC                           |

# ORLRPV10D-350MA

## 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) |
| Others       | Weight                        | 0.10 kg                                                                           |
|              | Size                          | 135 x 30x 20 mm                                                                   |

## Mechanical Specification



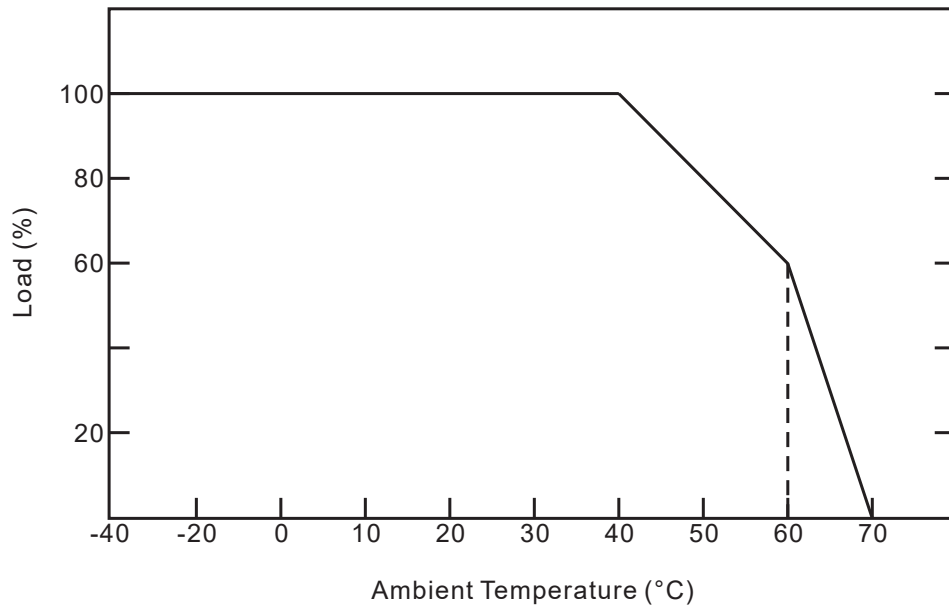
- Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- Suggested wire diameter: Input 0.75-2mm<sup>2</sup>; Output: 0.5-2mm<sup>2</sup>.
- Please make sure you connect these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

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## Dimming Operation

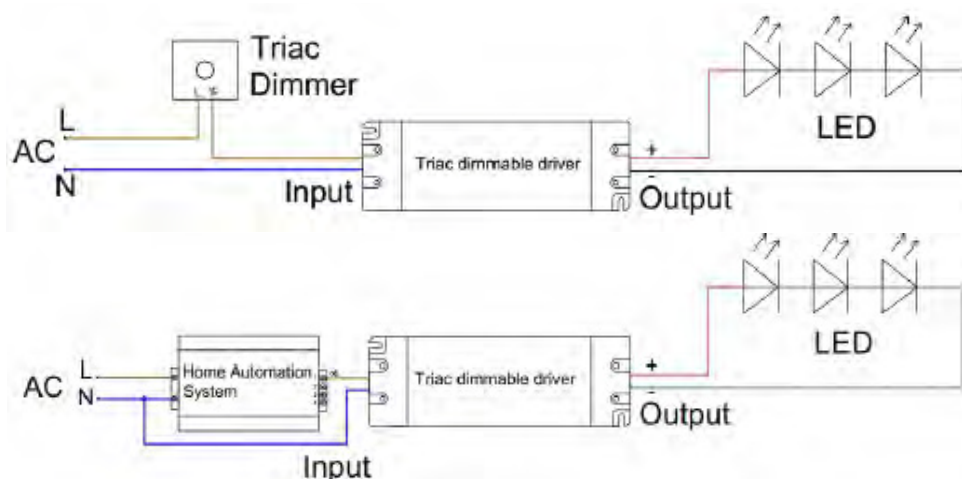
- Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.
- Usually matching with leading edge and trailing edge dimmer both at input area of ORLRPV10D-350MA series.
- Please try to use the small power dimmer, have access to a wider dimming 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)



# ORLRPV10D-350MA

## Connecting Diagram Multiple (II)

