

# Electronic Driver

## 96W 24V (multi dimming)

### Product Information

|               |                                                     |
|---------------|-----------------------------------------------------|
| Description   | 96W/24V/ECV/Driver CL2                              |
| Input volts   | 120/277V                                            |
| Input wattage | 96W                                                 |
| Output volts  | 24V                                                 |
| Minimum load  | 20%                                                 |
| Dimmable      | Triac / Phase, 0-10V, 1-10V, Potentiometer, 10V PWM |
| Warranty      | 5 Years                                             |
| Height        | 1.57"                                               |
| Length        | 7.35"                                               |
| Width         | 3.76"                                               |
| Pack          | 10                                                  |

G-97525



### Product Information

| Output             |       | Input           |                                                     |
|--------------------|-------|-----------------|-----------------------------------------------------|
| DC voltage         | 24V   | Voltage range   | 100-277 VAC                                         |
| Voltage tolerance  | ±0.5V | Frequency range | 47-63 Hz                                            |
| Voltage regulation | ±0.5% | Power factor    | 0.99 @ 120 VAC / 0.95 @ 277 VAC                     |
| Rated current      | 1.3A  | THD             | <20% @ 120 VAC & 277 VAC                            |
| Rated power        | 96W   | Efficiency      | ≥79% @ 120 VAC / ≥80% @ 277 VAC                     |
| Load regulation    | ±2%   | AC current      | 0.5A @ 100 VAC                                      |
|                    |       | Inrush current  | 7A, 50%, 420us @ 120 VAC / 12A, 50% 480us @ 277 VAC |
|                    |       | Leakage current | <0.5mA                                              |

## Product Information

### Protection

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Short circuit    | Shut down O/P voltage, re-power on to recover after fault condition removed            |
| Over load        | ≤120% shut down O/P voltage, re-power on to recover after fault condition removed      |
| Over temperature | 212° F (100°C) ±50°F (10°C) shut down O/P voltage, automatically recover after cooling |

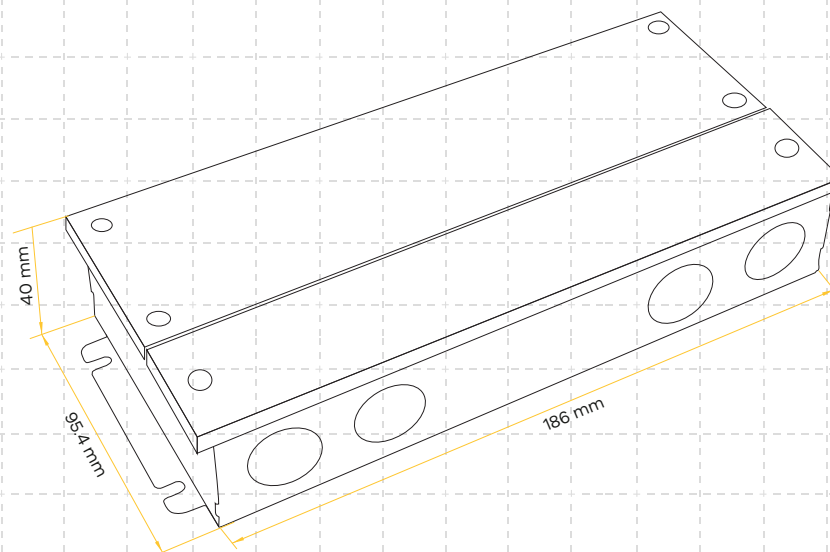
### Environment

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Working temp           | -40~+140°F (-40~60°C) *See derating curve                            |
| Working humidity       | 20-90% RH, non-condensing                                            |
| Storage tem., humidity | -40- +176°F (-40~80°C), 10-95%RH                                     |
| Temp coefficient       | ±0.03% /°C (0-50°C)                                                  |
| Vibration              | 10~500HZ, 5G 12 min/1 cycle, period for 72 min each along X,Y,Z axes |

### Safety & EMC

|                        |                                             |                    |                    |
|------------------------|---------------------------------------------|--------------------|--------------------|
| Safety standards       | UL8750, CAN/CSA-C22.2 No. 250.13            |                    |                    |
| Withstand voltage      | I/P - O/P: 1.8 KVAC                         | I/P - FG: 1.8 KVAC | O/P - FG: 1.8 KVAC |
| Isolatetion resistance | I/P - O/P: 100M $\Omega$ /500VDC/25°C/70%RH |                    |                    |
| EMC emission           | FCC 47 CFR PART 15, SUBPART B               |                    |                    |

## Dimensions



# Voltage Drop Table

| Wire Gauge | 30W (G-97620)<br>(1.25A) | 60W (G-97621)<br>(2.5A) | 96W (G-97525)<br>(4A) | 192W (4A) (G-97526)<br>Per Circuit | 288W (G-97527)<br>(4A) Per Circuit | 384W (G-97528)<br>(8A) Per Circuit |
|------------|--------------------------|-------------------------|-----------------------|------------------------------------|------------------------------------|------------------------------------|
| 20 AWG     | 20FT                     | 10FT                    | 6FT                   | 6FT                                | 6FT                                | 3FT                                |
| 18 AWG     | 21FT                     | 15FT                    | 9FT                   | 9FT                                | 9FT                                | 5FT                                |
| 16 AWG     | 49FT                     | 24FT                    | 15FT                  | 15FT                               | 15FT                               | 8FT                                |
| 14 AWG     | 80FT                     | 40FT                    | 25FT                  | 25FT                               | 25FT                               | 13FT                               |
| 12 AWG     | 124FT                    | 62FT                    | 39FT                  | 39FT                               | 39FT                               | 20FT                               |
| 10 AWG     | 196FT                    | 98FT                    | 61FT                  | 62FT                               | 62FT                               | 30FT                               |

# Dimmer List

| Brand   | Dimmer Model      | Dimmer Categories | Brand   | Dimmer Model       | Dimmer Categories |
|---------|-------------------|-------------------|---------|--------------------|-------------------|
| LUTRON  | SELV-300P         | TRIAC DIMMER      | LUTRON  | NTLV-600           | TRIAC DIMMER      |
|         | DVELV-300P-WH     |                   |         | CTCL-150-WH        |                   |
|         | PD-5NE            |                   |         | CTCL-153PDH-WH     |                   |
|         | MRF2-6ELV-120     |                   |         | NTCL-250           |                   |
|         | MA-PRO(Maestro)   |                   |         | DVCL-253P-WH       |                   |
|         | ST-PRO-N(Sunnata) |                   |         | DVDCL-153P         |                   |
|         | MAELV-600-WH      |                   |         | DVCL-153P          |                   |
|         | NTELV-600-WH      |                   |         | AYCL-153P          |                   |
|         | DVRP-253P         |                   |         | STCL-153M(Sunnata) |                   |
|         | DVRF-5NE          |                   |         | MSCL-OP153M        |                   |
|         | DVRF-6L           |                   |         | SLV-600P-LA        |                   |
|         | MRF2-600M         |                   |         | DVLV-600P-GR       |                   |
|         | MRF2S-6CL         |                   |         | S600P              |                   |
|         | MRF2S-6CL-WH      |                   |         | DV-600P            | (0-10V) DIMMER    |
|         | MRF2-6ND-120      |                   |         | CT-103P            |                   |
|         | MRF2-6CL          |                   |         | MS-Z101-WH         |                   |
|         | PD-6WCL-WH        |                   |         | DVSTV-WH(0-10)     | TRIAC DIMMER      |
|         | PD-10NXD          |                   |         | RMJS-8T-DV-B       |                   |
| LIVITEN | MALV-600          | TRIAC DIMMER      | EATON   | DLC03P             | TRIAC DIMMER      |
|         | MACL-153M-WH      |                   |         | DUL06P-C2          | (0-10V) DIMMER    |
|         |                   |                   |         | DF 10P-C1          |                   |
|         |                   |                   |         | ADTP703TUW4        | TRIAC DIMMER      |
|         |                   |                   | LEGRAND | RHL153P            |                   |
|         |                   |                   |         | LSCL450            |                   |
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