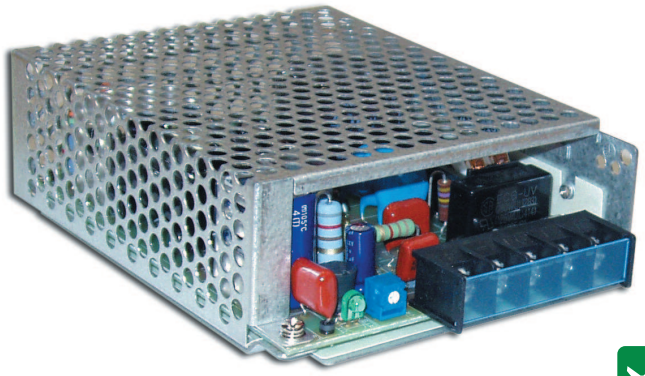
## 15W and 30W Single Output Industrial Power Supplies

### Features

- 5 Year Warranty
- Low Profile
- Universal Input range
- Screw terminal connection
- DIN Rail mount bracket available
- Level B EMI



RoHS

### Specifications

| Model | | 5V | 12V | 15V | 24V | 48V |
|---|---|---|---|---|---|---|
| Input Voltage range | - | 85 - 265VAC (47-440Hz) 110-330VDC | | | | |
| Inrush Current (100 / 200VAC) | A | 20 / 40 | | | | |
| Temperature Coefficient | - | 1% typical 0 - 50°C | | | | |
| Adjustment range | V | 4.5-5.5 | 10.8-13.2 | 13.5-16.5 | 21.6-26.4 | 43.2-52.8 |
| Line Regulation | mV | 20 | 48 | 60 | 96 | 192 |
| Load Regulation | mV | 40 | 100 | 120 | 150 | 250 |
| Ripple and Noise | mV | 120 | 150 | | 200 | 300 |
| Overcurrent Protection | A | >105% | | | | |
| Overvoltage Protection | V | 5.75-6.75 | 13.8-16.2 | 17.3-20.3 | 27.6-32.4 | 55.2-64.8 |
| Efficiency (RWS15/RWS30) (1) | % typ | 71/72 | 75/77 | 77/79 | 78/81 | |
| Hold Up Time (Typ) | ms | 20ms (at 100VAC, nominal output, 25°C) | | | | |
| Operating Temperature | - | 0 to+60°C, derate linearly to 60% load from 50°C to 60°C(2) | | | | |
| Storage Temperature | - | -30 to +85°C | | | | |
| Operating Humidity | - | 30 - 90% RH (Non condensing) | | | | |
| Storage Humidity | - | 10 - 95% RH (Non condensing) | | | | |
| Cooling | - | Convection | | | | |
| Withstand Voltage | - | Input to Chassis 2kVAC (20mA), Input to Output 3kVAC (20mA), Output to Chassis 500VAC (100mA) for 1 min. | | | | |
| Isolation Resistance | - | >100M at 25°C & 70%RH, Output to Ground 500VDC | | | | |
| Vibration (non operating) | - | 10 - 55Hz (1 minute sweep), 19.6m/s$^2$ constant X, Y, Z 1 hour | | | | |
| Shock | - | < 196.1 m/s$^2$ | | | | |
| Safety Agency Approvals | - | UL1950, CSA950, EN60950, CE Mark (LVD), Built to meet DENTORI | | | | |
| Conducted & Radiated EMI | - | EN55011 / EN55022-B, FCC Class B | | | | |
| Recommended EMI Filter | - | RWS15A: MAW12R5-22, RWS30A: MAW1201-22 | | | | |
| Weight (Typ) | g | RWS15A: 270, RWS30A: 310 | | | | |
| Size (WxHxD) | mm | RWS15A: 35 x 97 x 98.5, RWS30A 35 x 97 x 121.5 (3) | | | | |
| Warranty | yrs | Five Years | | | | |

(1) At 100VAC, Maximum output power, and 25°C
(2) derate linearly to 50% load from 45°C to 60°C with cover fitted
(3) Refer to Outline Drawing

OBSOLETE

## Options

| Model | Voltage (V) | Max Current (A) |
|---|---|---|
| RWS15A-5/A | 5V | 3A |
| RWS30A-5/A | 5V | 6A |
| RWS15A-12/A | 12V | 1.3A |
| RWS30A-12/A | 12V | 2.5A |
| RWS15A-15/A | 15V | 1A |
| RWS30A-15/A | 15V | 2A |
| RWS15A-24/A | 24V | 0.7A |
| RWS30A-24/A | 24V | 1.3A |
| RWS15A-48/A | 48V | 0.3A |
| RWS30A-48/A | 48V | 0.6A |
| LDIN30 | DIN Rail mounting bracket (order separately) | |

## Options

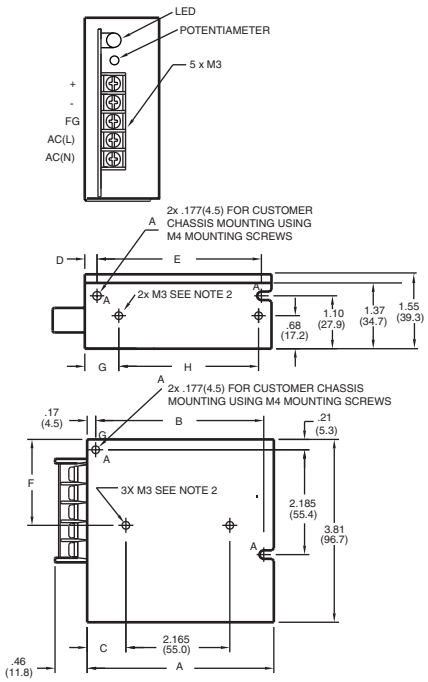
| Suffix | Description |
|---|---|
| Blank | No Cover |
| /A* | Cover |
| Note: | * Standard US stock item |

## Other Industrial Products

| | |
|---|---|
| JWS, JWS-P & JWT | 50W to 600W Single and triple output |
| JFS | 500W to 2000W Single output |
| DLP/DHP | 75W to 960W DIN Rail single output |
| ZWS | 5W to 150W Low cost single output |

For Additional Information, please visit
us.tdk-lambda.com/lp/products/rws-a-series.htm

## RWS Outline Drawing




NOTE:

1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS ( ) ARE IN MM.
2. 4x M3 TAPPED HOLES FOR CUSTOMER MOUNTING SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN .23 (6).

DIMENSIONS:

| MODEL | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| RWS15A | 3.87 (98.5) | 89.0 (89.0) | .80 (20.5) | .25 (6.5) | 3.425 (87.0) | 1.79 (45.5) | .70 (18.0) | 2.913 (74.0) |
| RWS30A | 4.78 (121.0) | 4.40 (112.0) | 1.24 (31.5) | .25 (6.5) | 4.783 (105.0) | 1.67 (52.5) | .84 (21.5) | 3.267 (83.0) |

WEIGHT:

| MODEL | LBS |
|---|---|
| RWS15A | 0.60 |
| RWS30A | 0.68 |

RWS15A/RWS30A

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