

# 240 Watt, FDR 240 Series, Slim Line DIN Rail Power Supply



electronic powersolutions

- Universal AC Input with PFC
- High Efficiency, High Reliability
- Wide Temperature Range -25 to +70 °C
- Output On / Low LED's, Output Voltage Trim
- Over Load, Over Voltage Protected
- Full Approvals: UL/cUL/CE
- 3 Year Warranty
- Competitive Prices / From Stock



Size: 130(H) x 60(W) x 125(D) mm

## Specification

|                                |   |
|--------------------------------|---|
| Input Voltage (Universal)..... | 90~264 VAC, (127~370 VDC)                         |
| Input Frequency.....           | 47~63 Hz  |
| Inrush Current.....            | Cold start, 50A Max at 230 VAC Input              |
| Input Current.....             | 2.5 A @115 VAC, 1.25 A @ 230 VAC                  |
| Load Regulation.....           | +/-1%   |
| Line Regulation.....           | +/-0.5%   |
| Output Voltage.....            | See table below (plus adjustment range)           |
| Over Load Protection.....      | 110~150% (auto-recovery)                          |
| Over Voltage Protection.....   | 30~35V (24V version), 60~65V (48V version)        |
| Set Up, Hold Up Time.....      | 3600 ms, 20 ms                                    |
| Isolation Voltage.....         | I/P-O/P: 3 kVAC,                                  |
| Operating Temperature.....     | -25~+70 °C (see derating curve)                   |
| Safety Standards.....          | UL, C-UL, CE, CB                                  |
| EMC Standards.....             | EN55011 / EN55022-B, FCC-B, EN61000-3-2 (Class-A) |
| Dimensions.....                | 130(H) x 60(W) x 125 (depth from rail) mm         |
| Weight.....                    | 1.2kg   |

## Models and Ratings

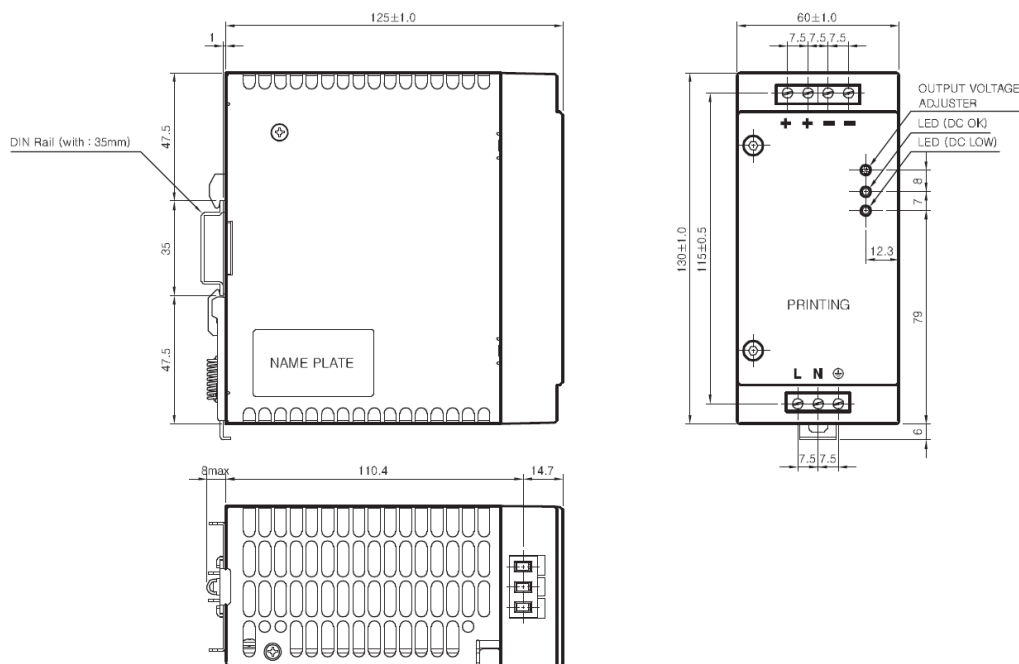
| Model             | Output        | Output Adj. Range | Ripple/Noise | Efficiency |
|-------------------|---------------|-------------------|--------------|------------|
| <b>FDR-240-24</b> | 24.0 V / 10 A | 22.5 V ~ 28.5 V   | 100 mV       | 91%        |
| <b>FDR-240-48</b> | 48.0 V / 5 A  | 45 V ~ 55 V       | 120 mV       | 92%        |

For mechanical details and connections, see next page

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,  
 Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111  
 Email : [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk) Web : [www.allpsu.co.uk](http://www.allpsu.co.uk)

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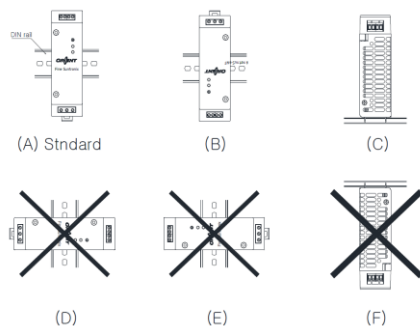
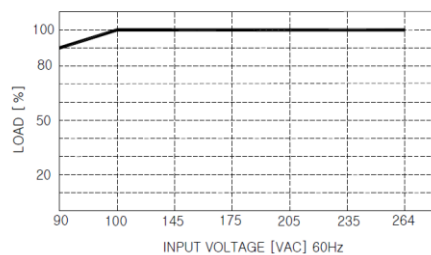
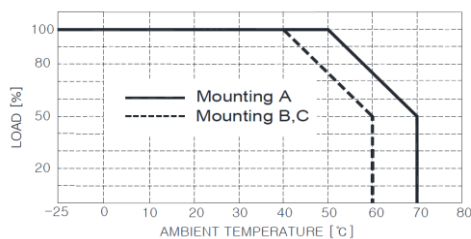
## Mechanical Details



DC\_OK LAMP - LED (GREEN)  
DC\_LOW LAMP - LED (RED))

## Derating Curves:

**Load vs Ambient Temperature**  
**Load vs Input Voltage**



Specifications can change without notice. E&OE. ALL PSU Terms & Conditions apply.

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