



# CLW-2424-W2E-EB

24V / 1A Wall mounted type AC/DC adaptor



## ■ Features:

- Universal AC input / Full range
- Wall mounted type, Isolation class II design
  - ErP step II / CEC level VI compliance
  - No load power consumption  $P < 0.075W$
- Protections: Overload / Short circuit / Over Temperature



## ELECTRICAL SPECIFICATION

|       |                 |
|-------|-----------------|
| MODEL | CLW-2424-W2E-EB |
|-------|-----------------|

### OUTPUT

|                           |                                    |
|---------------------------|------------------------------------|
| Rated Voltage             | 24V                                |
| Rated Current             | 1A                                 |
| Current Range             | 0 ÷ 1A                             |
| Rated Power               | 24W                                |
| Line Regulation           | ± 2%                               |
| Load Regulation           | ± 5%                               |
| Tolerance [3]             | ± 8%                               |
| Ripple & Noise (max.) [2] | 300mV <sub>P-P</sub>               |
| Setup, Rise Time [4]      | 1000ms, 20ms / 230VAC at full load |
| Hold up Time (typ.)       | 10ms / 230VAC at full load         |

### INPUT

|                                  |                                |
|----------------------------------|--------------------------------|
| Voltage Range                    | 90 ÷ 264VAC                    |
| Frequency Range                  | 47 ÷ 63Hz                      |
| Efficiency (typ.)                | 86%                            |
| AC Current (typ.)                | 0.15A / 115VAC, 0.25A / 230VAC |
| No load Power Consumption (max.) | 0.075W                         |

### PROTECTIONS

|                  |   |
|------------------|---|
| Overload         | Range: 140-180%<br>Type: fold forward mode(current rises, voltage drops) to 3V next hiccup mode, auto-recovery. |
| Short Circuit    | Type: hiccup mode, auto-recovery.   |
| Over Temperature | 140°C±10°C(detect on main control IC)<br>Type: shut off output voltage, auto-recovery.                          |



# CLW-2424-W2E-EB

24V / 1A Wall mounted type AC/DC adaptor

## WORKING ENVIRONMENT

|   |   |
|---|---|
| <b>Working Temperature</b>              | 0°C ÷ 40°C                              |
| <b>Working Humidity</b>                 | 10 ÷ 90% RH non-condensing              |
| <b>Storage Temperature and Humidity</b> | -20°C ÷ 85°C, 5 ÷ 90% RH non-condensing |

## SAFETY and EMC REGULATIONS

|                             |  |
|-----------------------------|--|
| <b>Safety Standards</b>     | Compliance to EN 60950-1               |
| <b>Withstand Voltage</b>    | IN/OUT: 3.6kVAC                        |
| <b>Isolation Resistance</b> | IN/OUT: 50MΩ/500VDC/25°C/70%           |
| <b>EMC Emission</b>         | Compliance to EN55032                  |
| <b>EMC Immunity</b>         | Compliance to EN61000-4-2, -3, -4, -5  |
| <b>Harmonic Current</b>     | Compliance to EN61000-3-3; EN61000-3-2 |

## OTHERS

|                         |                                       |                                |
|-------------------------|---------------------------------------|--------------------------------|
| <b>DC wire and plug</b> | Wire: 22AWG*2C, length = 1200mm ±50mm | Plug: 2.1/5.5, positive inside |
| <b>Dimensions</b>       | 92,5 x 46.5 x 72mm (L x W x H)        |                                |
| <b>Net Weight</b>       | 110g                                  |                                |

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.

3. Tolerance includes set up tolerance, line regulation and load regulation.

4. Setup and rise time is measured from 0 to 90% rated output voltage.

5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

