

LDX-L30

Dual Voltage Battery Housing

LDX-L30 was designed for housing 2 standard sealed lead acid batteries with user settable voltage to 12 / 24 V without changing the batteries.

LDX-L30 is intended for general use such as in industrial control, communication, and instrumentation equipment and is designed to be mounted on DIN rail and installed inside a protective enclosure.



FEATURES

- Designed for hosting 2 standard sealed lead acid batteries 12 VDC / 1.2 Ah (Batteries are not included)
- Settable output voltage: 12 VDC / 2.4 Ah or 24 VDC / 1.2 Ah
- Operating ambient temperature range -20°C to +40°C
- (or according to battery limits)
- Integrated self-resettable overcurrent protection
- DIN Rail installation
- Compact size in aluminum enclosure
- Dimensions: 54 x 115 x 110 mm



1. MODEL SELECTION

| MODEL | BATTERY HOUSING | MAX CHARGING CURRENT | MAX DISCHARGE CURRENT | VOLTAGE / CAPACITY |
|---------|---------------------|----------------------------------|------------------------------|------------------------------------|
| LDX-L30 | 2 x 12 VDC / 1.2 Ah | 12 VDC / 0.6 A 24 VDC / 0.3 A | 12 VDC / 5 A 24 VDC / 3 A | 12 VDC / 2.4 Ah 24 VDC / 1.2 Ah |

2. BATTERY HOUSING SPECIFICATIONS (BATTERIES ARE NOT INCLUDED)

| PARAMETER | DESCRIPTION / CONDITIONS | SPECIFICATION |
|-----------------------------------|--|-----------------------|
| Voltage / Capacity | 2 x lead acid sealed batteries | 12 VDC / 1.2 Ah |
| Maximum Battery Size ¹ | W x H x D | 48.5 x 54.5 x 97.5 mm |
| Internal Protection Fuse | Self resettable | 9 A |
| Maximum Charging Current | 12 VDC Configuration 24 VDC Configuration | 0.6 A 0.3 A |
| Maximum Discharge Current | 12 VDC Configuration 24 VDC Configuration | 5 A 3 A |

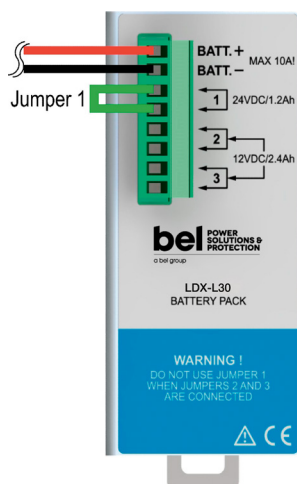
¹ Suggested batteries: Yuasa NP 1.2-12, Panasonic LC-R121R3PG, FIAMM FG 20121 or equivalent.

3. CONFIGURATION

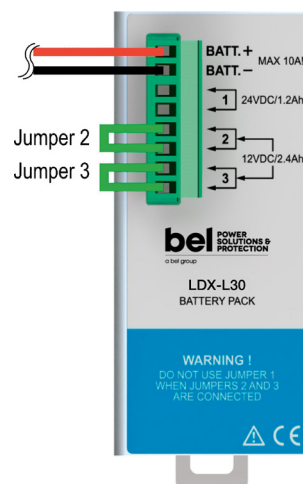
| PARAMETER | DESCRIPTION / CONDITIONS | SPECIFICATION |
|--------------------|-----------------------------|------------------------------------|
| Voltage / Capacity | Settable by external jumper | 12 VDC / 2.4 Ah 24 VDC / 1.2 Ah |

4. GENERAL & MECHANICAL SPECIFICATIONS

| PARAMETER | DESCRIPTION / CONDITIONS | SPECIFICATION |
|---------------------------|------------------------------------|--|
| Operating Temperature | Or according to battery limits | -20 to +40 °C |
| Protection Degree | EN 60529 | IP20 |
| Dimensions | | 54 x 115 x 110 mm 2.12 x 4.53 x 4.33 in |
| Weight | Including 2 batteries | 1200 g |
| Battery Connectors | Screw type pluggable (24 - 12 AWG) | 2.5 mm ² |
| Selection Mode Connectors | Screw type pluggable (24 - 12 AWG) | 2.5 mm ² |
| Case Material | Aluminum | |



For 24 VDC / 1.2 Ah - Connect only Jumper 1



For 12 VDC / 2.4 Ah - Connect Jumper 2 and 3

5. PIN LAYOUT & DESCRIPTION



INPUT / OUTPUT CONNECTION

BATT. + = IN/OUT Positive DC to Battery
 BATT. - = IN/OUT Negative DC to Battery
 24 VDC / 1.2 Ah = Jumper 1
 12 VDC / 2.4 Ah = Jumper 2 and 3

6. MECHANICAL DRAWING

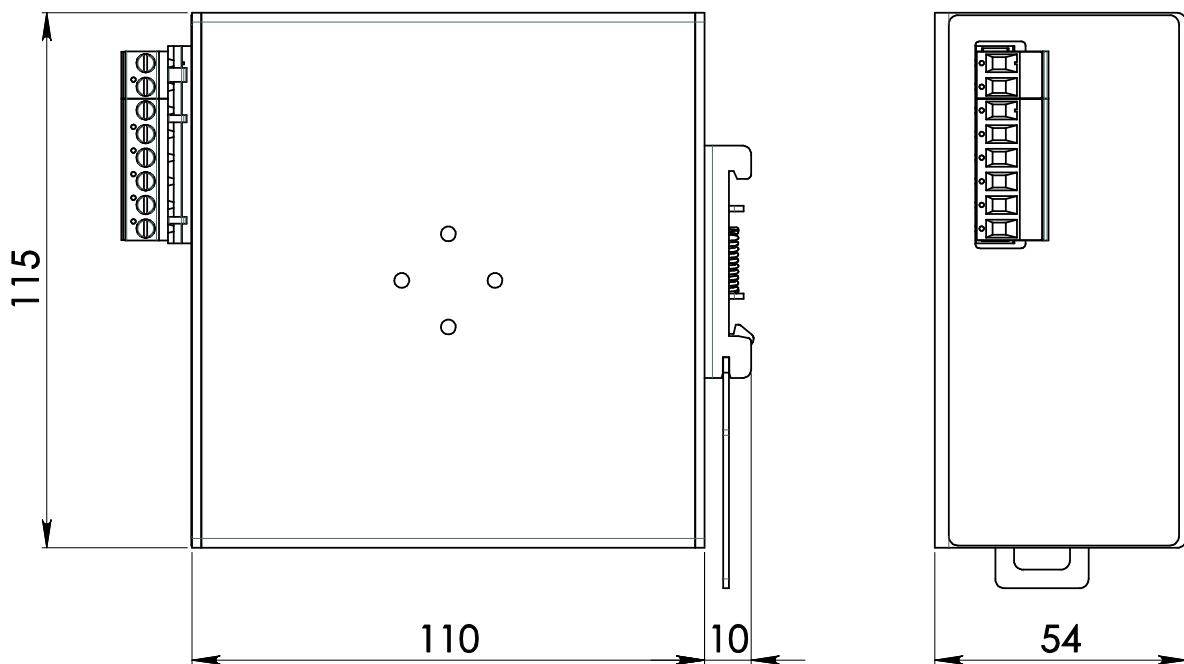


Figure 1. Mechanical Drawing

Notes:

Technical parameters are typical, measured in laboratory environment at 25°C.

For more details, performance and description regarding all parameters not indicate in the above table, please refer to [Installation Instruction](#).

NUCLEAR AND MEDICAL APPLICATIONS - Products are not designed or intended for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.



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