



## Mounting Instructions Easylon® Repeater

(Order Code: P.R 10003)

### WARNING NOTES

- Installation should only be performed by qualified and technical experienced personnel. The device must be installed in compliance with the relevant DIN/VDE regulations or the relevant national standards.
- The connection to the supply voltage must be performed in accordance with VDE 0100 and VDE 0160.
- Trouble-free and safe operation of the unit is dependent on proper transport and storage.

### INSTALLATION

- The Easylon Repeater can be snapped onto DIN rails (DIN EN 50022-35).
- The Easylon Repeater is only protected by a simple non-shielded plastic housing. It should not be placed close to strongly influencing devices.
- Ensure that all wires to be connected are powerless!
- Connect the bus wires to the corresponding LONA+, LONA-, LONB+ and LONB- connectors.
- The Easylon Repeater does not include a bus termination. For trouble free operation of the Easylon Repeater both segments of the LONWORKS network must be properly terminated.
- Connect the 24 VAC or 24 VDC power supply. The Easylon Repeater has a simple filter at the power input. Therefore it should not be supplied from a strongly disturbed source.
- **Never** connect ground to the bus shield **and** to the supply voltage (e.g. 0 VDC)

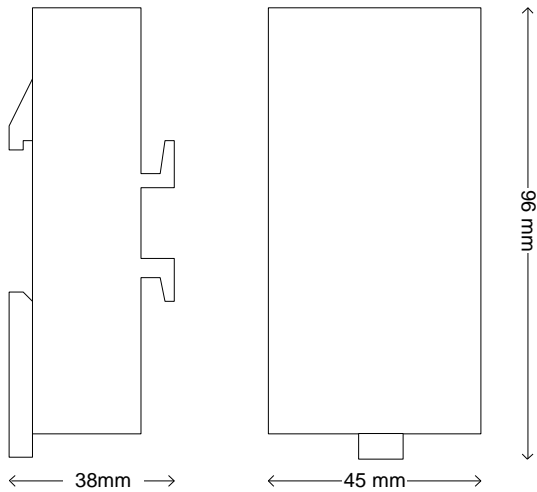
### PRODUCT DESCRIPTION

The Easylon Repeater is a signal amplifier in the LONWORKS network. It increases the maximum bus length and increases the permissible number of network nodes. It is completely transparent to the network.

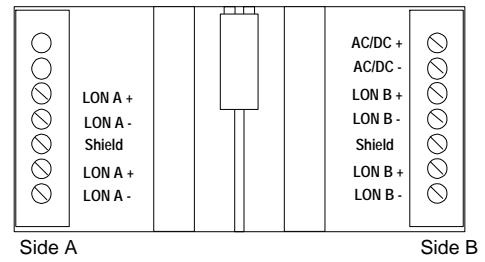
### TECHNICAL SPECIFICATIONS

<b>Power Supply</b>	DC 12-28 V DC AC 24 V AC +/-20%
<b>Power consumption</b>	< 1VA
<b>Temperature</b>	Operating 0 - +60 °C at free convection Storage -20 - +85 °C
<b>Relative humidity</b>	Class F (DIN 40 040)
<b>Protection class</b>	IP 00
<b>EMV</b>	Emission EN55022 A/B, EN 55011 A/B, EN50081-1/2 Immunity EN50022-2
<b>Housing</b>	Dimensions 96*45*38 [mm] Mounting DIN rail (EN50022-35*7,5) or (EN50022-35*15)
<b>Connectors</b>	Screw-clamp 0.5-2.5 mm <sup>2</sup>

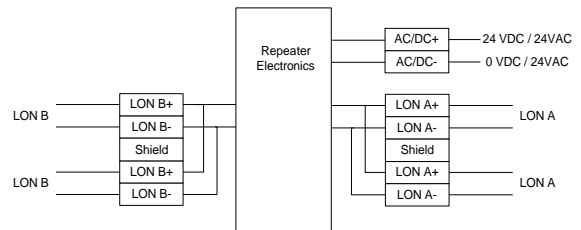
## DIMENSIONAL DRAWING



## CONNECTION DIAGRAM



Bus connectors exist twice for every bus side.



## CONNECTOR SPECIFICATION

### Voltage supply

Clamp	Specification
AC/DC+	AC: 24 V / DC: 12-28 V
AC/DC-	AC: 24 V / DC: 0 V

### LON Bus

Clamp	Specification
LON A+	LON bus, side A
LON A-	LON bus, side A
LON B+	LON bus, side B
LON B-	LON bus, side B
Shield	Bus shield (optional)