# ERE2 Repeater

**The ERE2 repeater is a part of Enermet's AIM solution. The device is used to increase the communication distances between terminal unit and concentrator. The ERE2 repeater transfers messages over the low voltage network using Echelon LonTalk® protocol.**

## What is ERE2?

ERE2 is simple, but still clever. It can increase the communication distance between terminal unit and concentrator 300 to 500 meters, depending on the conditions. ERE2 ensures that metering data is transferred uncorrupted from device to device in the automatic metering chain. ERE2 communicates on all three phases. As a part of Enermet's AIM solution it can be easily configured using the AIM system.

## Reliability and Usability

ERE2 has a compact design and can be stacked, which saves room in transport. In addition to the regular case that is designed to be installed on a wall or the terminal block of a meter, ERE2 is also available in a smaller IP65 case for power distribution cabinet installations. It can be installed to a distribution cabinet without a separate fuse.

As an electronic device, ERE2 is immune to vibration and other disturbances during shipping and use. Since there are no wearing parts, it is also completely maintenance free and has a long life time. It is designed for both indoor and outdoor installations, so there is no need for many different devices.
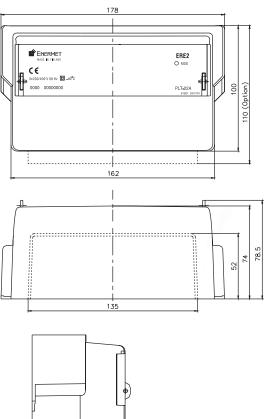
## Safely to Future

The ERE2 repeater meets strict environmental requirements. All device parts can be recycled and the packaging is made of recyclable cardboard.
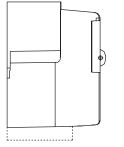
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ENERMET
MADE IN FINLAND

ERE2
○ MSG

CE
3x230/400 V 50 Hz  ☐ -40°C
0000  00000000

PLT-22A
81921 D01704

100
110 (Option)
162

52
74
78.5

135

ERE2 PLT-22A
3 x 230/400 V    50 Hz
☐ -40 °C
CE
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77002595
2004
Connection
L1=BH
L2=BH
L3=BH
N=BU
GV/E out

**ERE2 IP65**

# ERE2 Technical Specification

### Voltage
- 3x230/400 V

### Frequency
- 50 Hz

### Power Consumption
- without transmission 3 VA
- transmitter power 7 VA

### Protection Classes
- IP20
- ERE2 Distribution Cabinet IP65

### Fire Class
- UL94: V0

### Communication protocol
- LonTalk®

### Communication Frequencies
- PLT-22A: 70…95 kHz (A- band), BPSK modem
- PLT-22C: 125…140 kHz (C- band), BPSK modem

### LEDs and Push Buttons
- 7 LEDs, 6 of which are located under the sealable cover
- Service pin under the sealable cover
- A slot for setting the repeater to unconfigured state
- ERE2 Distribution Cabinet does not have LEDs or buttons

### Temperature Range
- Operating: –40 °C ... +60 °C
- Storage: –40 °C ... +60 °C

### Case
- According to DIN 43860
- Can be sealed

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ERE2_GB_ Fact_ Sheet/0502 • Subject to change without notice.