

WIRELESS NETWORK REPEATER FLREP-U

FLREP-U is an outdoor repeater that can be added between wireless devices to ensure reliable wireless network functions in difficult environments.

1...8 repeaters can be added between the base station and transmitters.

The repeater listens only the communication directed to its own base station. The repeater participates to network operation only when a message is not delivered to the base station. In this case the repeater takes the responsibility to deliver the message to the base station.

NOTE: FLREP-U is not an amplifier.

The Produal wireless network can automatically chain repeaters. However, it is strongly recommended to avoid repeater chaining to ensure a reliable network. See more information about using repeaters from the repeater user guide.

The repeaters need a fixed 12...30 Vac/dc power supply.

Wiring:

| | | |
|---|---|--------------------|
| 1 | + | 12...30 V \simeq |
| 2 | - | 0 V |



Technical data

| | |
|------------------------|---|
| Supply | 24 Vac/dc (12...30 V), < 0,1 VA |
| Frequency | 868.30 MHz Class 1 |
| Range | 500 m in line of sight 20...100 m in buildings |
| Transmission power | +8 dBm |
| Reception sensitivity | -109 dBm |
| Modulation | FSK |
| Operating conditions | |
| temperature | -40...+50 °C |
| humidity | 0...100 % RH (non cond.) |
| Housing | IP54 |
| Dimensions (w x h x d) | 115 x 180 x 45 mm |

Ordering guide:

| Model | Product number | Description |
|------------|----------------|-------------|
| FLREP-U | 1191081 | repeater |
| M 230/12-4 | 1184080 | transformer |

Products fulfill the requirements of directives 2004/108/EC, 2006/95/EC, 1999/5/EC and 2000/299/EC and are in accordance with the standards EN61000-6-3 (Emission), EN61000-6-2 (Immunity), EN60730, EN300220-2 and EN301489-3.