ARU-200

ARU–200 radio signal retransmitter receives transmissions from **ABAX 2** wireless devices and retransmits them. **ARU–200** can extend the range of the ABAX 2 system wireless communication.

- retransmission of signals from 46 wireless devices
- encrypted two–way radio communication in the 868 MHz frequency band (AES standard)
- diversification of transmission channels – 4 channels allow automatic selection of one that guarantees transmission without interference with other signals in the 868 MHz frequency band
- remote upgrade of retransmitter firmware
- LED indicator of retransmitter status
- tamper protection against opening the enclosure
- power supply 230 V AC
- built–in switching mode power supply
- short–circuit protection of power supply input
- battery as an emergency power source
- battery charging system
- battery monitoring and disconnection of discharged battery

ARU–200 retransmitter is supported by two controllers:

- **ACU–220**
- **ACU–280**

Enclosure dimensions	126 x 158 x 32 mm
Board dimensions	87 x 104 mm
Operating temperature range	-10°C...+55°C
Standby mode current consumption	8 mA
Max. current consumption	15 mA
Weight	256 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Environmental class according to EN50130-5	II
Lithium-ion battery	3,7 V / 1800 mAh
Supply voltage	230 V AC, 50-60 Hz
Radio communication range (in open area) for ACU-220	up to 2000 m
Radio communication range (in open area) for ACU-280	up to 1600 m