

ACMD-200

WIRELESS CARBON MONOXIDE DETECTOR

ACMD-200 is a wireless carbon monoxide (CO) detector that senses the dangerous concentration of this gas in a monitored room. It can work independently or as part of a two-way wireless **ABAX 2** system.

- electrochemical carbon monoxide detector
- digital temperature compensation
- test function
- LED for optical signalling
- piezoelectric transducer for acoustic signalling
- monitoring of the gas sensor
- battery status check
- operation in ABAX 2 wireless system:
 - encrypted two-way radio communication in the 868 MHz frequency band (AES standard)
 - diversification of transmission channels – 4 channels allow automatic selection of the channel that guarantees transmission without interference with other signals in the 868 MHz frequency band
 - ECO option for extended battery life
 - built-in temperature sensor (temperature measurement from 0 °C to +55 °C)
 - tamper protection against opening the enclosure

The detector is controlled by:

- **ACU-220** or **ACU-280** system controller
- **ARU-200** signal retransmitter



TECHNICAL DATA

| | |
|---|-------------------|
| Operating temperature range | 0 °C...+55 °C |
| Max. current consumption | 120 mA |
| Weight | 153 g |
| Maximum humidity | 93±3% |
| Operating frequency band | 868,0 ÷ 868,6 MHz |
| Battery | CR123A 3V |
| Dimensions | ø108 x 54 mm |
| Temperature measurement accuracy | ±1 °C |
| Radio communication range (in open area) for ACU-220 | up to 2000 m |
| Radio communication range (in open area) for ACU-280 | up to 1200 m |
| Temperature measurement range | 0 °C...+55 °C |
| Battery life (autonomous operation) - in years | up to 5 |
| Standby mode current consumption (autonomous operation) | 14 µA |
| Expected battery life (ABAX 2) - in years | up to 2 |
| Standby current consumption (ABAX 2) | 62 |
| Low battery notification voltage | 2,75 V |