## 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 $0{ }^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ )
- 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 | $0^{\circ} \mathrm{C} . . .55^{\circ} \mathrm{C}$ |
| :---: | :---: |
| Max. current consumption | 120 mA |
| Weight | 151 g |
| Maximum humidity | 93 $\pm 3 \%$ |
| Operating frequency band | $868,0 \div 868,6 \mathrm{MHz}$ |
| Battery | CR123A3V |
| Dimensions | ¢108× 49 mm |
| 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 |
| Battery life (autonomous operation) - in years | up to 5 |
| Standby mode current consumption (autonomous operation) | $14 \mu \mathrm{~A}$ |
| Expected battery life (ABAX 2) - in years | up to 2 |
| Standby current consumption (ABAX 2) | 62 |

