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	151 g
Maximum humidity	93±3%
Operating frequency band	868,0 ÷ 868,6 MHz
Battery	CR123A 3V
Dimensions	ø108 x 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 µA