



### DESCRIPTION

MONO 04 is the unidirectional call alarm device operating via VHF and UHF radio frequencies.

The result of development focused on transmission power, the precision of communications and external disturbance; the device sends the changes in alarm inputs to the operating centre via the most common communication protocols which ensures its compatibility with all radio alarm reception centres.

The device is fitted with a system enabling input, whose function is to disable programmed input signals defined as "conditioned".

This decreases traffic on the radio channel, avoiding the sending of false alarms when the device is switched off.

### FUNCTIONS

- Eight digital inputs
- Device open indicator Tamper alarm
- Power supply failure/restoration indicator alarm with programmable filter
- Antenna disconnection indicator
- Battery charge status check
- Low battery and stop-battery function indicator
- Alarm system sensor disabling relay
- Two completely programmable radio transmission channels
- Encoded and authenticated communications
- Field programming of all operating parameters via PC

### COMMUNICATION SECURITY

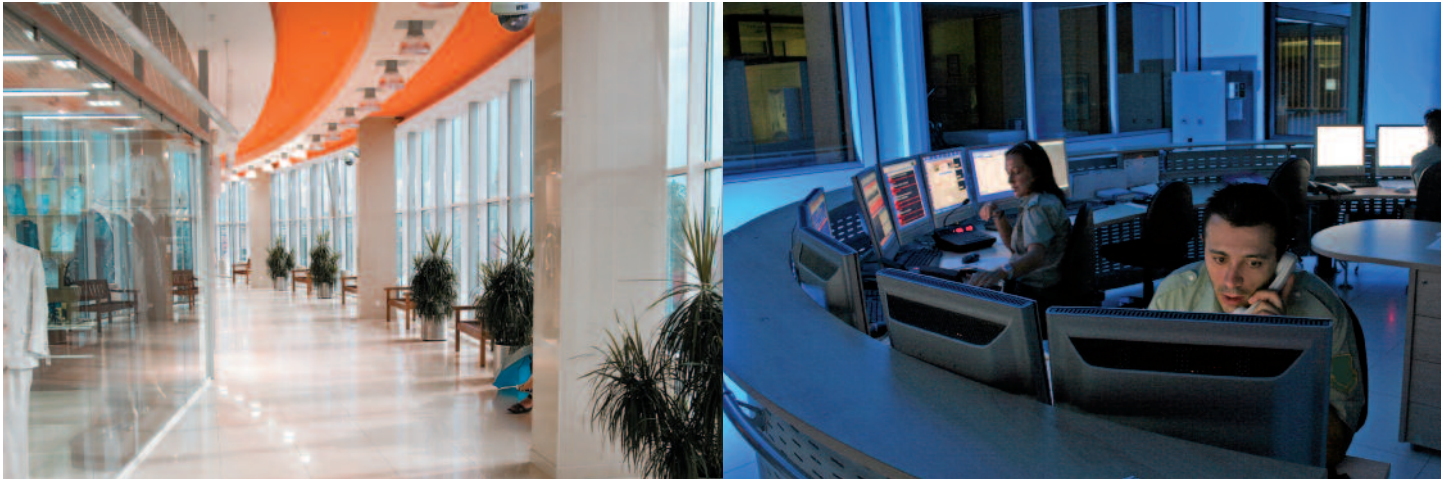
Authentication code: This means that the control unit can only communicate with peripheral devices which belong to its own radio network.

A back-up radio channel allows alarms to be sent even in cases of sabotage or disturbance on the main radio channel.

### CONFIGURATION

Configuration software is supplied to enable and control the peripheral devices.





### TECHNICAL FEATURES

- **Type:** Unidirectional radio
- **Frequency range:** UHF (440 - 470 MHz), VHF (156 - 174MHz)
- **Inputs:** 8 clean contact inputs with pull-up:
  - low level <0.8V
  - high level > 2V
  - low level current 1mA
  - max voltage 5V
  - tamper device open indicator
- **Communication protocols:** Proteus, Extended Proteus, Upr
- **Power supply network alarm:** with programmable delay of from 0 to 60 minutes
- **Antenna disconnection:** antenna disconnection indicator output
- **Battery:** 12V 7.2Ah with protection against polarity reversal
- **Battery autonomy:** ~ 120 hours (recharge time ~ 48 hours)
- **Battery status reader:** by means of periodic voltage tests with battery status and automatic switch-off threshold checks
- **Transmission output:** 2 -10W programmable
- **Channelling:** 12.5 kHz
- **Frequency stability:**  $\pm 0.5$  kHz
- **Spurious and harmonic emission:** < 0.25  $\mu$ W
- **Subaudio tone generator:** 32 (67 Hz - 203.5 Hz)
- **LED indicators:** 5 LEDs indicate the device operation status
- **Power supply:** 230Vac  $\pm 10\%$ , 50 Hz
- **Power consumption:** (network) 95 mA
- **Operating temperature:** -10 / +50°C
- **Dimensions:** (mm, L x H x D): 232 x 285 x 101
- **Weight:** (without battery) 3,600 g
- **Conformity:** To Directives 2006/95/CEE, 2004/108/CEE, 99/5/CEE (R&TTE)
- **Product ID:** 3-PA106 (UHF) | 3-PA107 (VHF)