



PROCONTROL

Pani-Call System

Safety and Emergency Call System

Pani-Call[®] is a wireless occupational health and safety system which helps to protect life and health of colleagues working alone or/and in dangerous working conditions. Manual and automatic emergency calls are received by the RF transceiver fixed on the ceiling or wall of the premise.

Brief description

Pani-Call[®] serves the safety and health of people working on a remote premise and/or alone.

In case of injury, indisposition, fit of dizziness the employee can start an emergency call by pressing a SOS button.

In case the person becomes unconscious and/or falls before pressing the button, with the „Man down” function the device sends automatic emergency sign to the monitoring centre.



Structure

In the signaller of the supervised person there is an RF transmitter, a movement sensor, a press button, a multi-coloured LED, a sounder and optionally an LCD display.

The device, being in the size and form of a watch, does not hinder work and it is shock-resistant and tight.

On the ceiling of the supervised location RF transmitters are fixed in a disposition and density to oversee the whole territory to be controlled.

When the signaller is in the network field and ready for operation it blinks green.

For people working at explosion dangerous location Ex-classified bracelet can be ordered.



Operation

Faint or syncope emergency call

Supposing that employee is moving while working the movement sensor should send continuously changing signals. It is monitored with sampling in every T0 time (1-5 sec).

At collapse, unconsciousness the continual movement stops. If the device does not detect movement for T1 time (30-60 sec) it starts to count down and beeps in every T2 time (2 sec). In case the supervised person does not move in T3 time (e.g. in 10 sec) which would inactivate the alarm, the device starts an emergency call.

In loud workplaces, where the sounder may not be heard, the vibration option can be used.

Manual call

Employee may send an emergency call by pressing the SOS button on the bracelet when feeling dizzy or got injured. Receiving the emergency call is confirmed by call centre with a sound signal.

Call centre

Emergency call arrives at the computer of the person on duty in the monitoring or security centre via Wi-Fi or Ethernet cable.

The received emergency call sets off a sound signal and contains identification and location data:

- name of the employee
- identification code
- time of call
- location of the employee
- type of call: manual (accident, emergency situation) or automatic (collapsing, faint)

The person on duty confirms the emergency call and acts accordingly. All calls are logged automatically.

Options

- Sound signals of the bracelet device can be switched to vibration signals, which is useful at loud workplaces or at places where silent must not be disturbed.
- In case the employee needs to move in larger area, out of the premise covered with transmitters, GPS navigation module and GPRS modem can be inserted into the device. Thus radius of usage can be global.
- Phone service can be added to the bracelet for voice calls.

