



- Station terminal equipment for alarm-broadcast dispatch systems
- Work in hard environmental conditions
- Protection class of casing IP67
- Dialing keypad has 20 buttons and is resistant for mechanical damages
- Loud-speaking messages and alarm signals
- Possibility of remote configuration of telephone parameters.

Jantar 2 telephone signaling device is made for working in hard environmental conditions especially in underground mines where there are dangers of methane or coal dust explosion. Protection class of casing IP67 allows to use the telephone in the hardest industrial conditions. Casing made from stainless steel ensures high resistance from mechanical damages and makes periodic cleanings easier.

Jantar 2 telephone signaling device cooperates with all telephone exchanges, but all its' potentials are used in cooperation with our dispatch - alarm server. These telephones can be connected to telephone exchanges directly or by special subscriber teletransmission line modes (the so-called intrinsically safe barriers) where there is need of intrinsically safe, subscriber, underground, station terminal equipment.

The most important elements of Jantar 2 telephone signaling are:

- Casing made from stainless steel.
- Backlit dialing keypad has 20 buttons and is resistant to mechanical damages (10 million of actions). Dialing keypad has wide interspaces between each buttons and "ALARM" button (used to alarm call dispatch console operator).
- Internal Battery (with battery charging system) to ensure the required volume of audio alarm signal.
- Broadcasting amplifier allows "loud-speaking" messages and alarm signals.
- Backlit liquid crystal display, large, 6-digits, which is located on the telephone's forefront casing, showing:
 - actual time synchronized with telephone exchange
 - dialed telephone number from dialing keypad
 - calling subscriber telephone number (CLIP function)
 - count down of calling duration
- Three electrodynamic liners: for handset and 2 for call
- Large three-color visual signaling device with luminescent colors – red, green, blue
- Visual signaling device is showing actual functional statuses of telephone and flashes every 30 seconds with blue color to make localization of telephone signaling device easier in the darkness.
- Lack of mechanical hook, switch of input circuit of telephone signaling device is made by influence of permanent magnet on contact inside casing.
- Supplementary microphone is located on the telephone's front.
- Special, airproof, detached from the rest - distribution frame pod where, there are located
 - clips to connect microtelephone, power supply line, two-stage actuators
 - microphone
 - alarm button
 - loud-speakers
 - calling electrodynamic liners
 - battery

Functions of Jantar 2 telephone signaling device

Full functionality of Jantar 2 telephone signaling device is used in cooperation with alarm-broadcast dispatch HETMAN system. This system allows to dispatch console operator ability of constant control of Jantar 2 telephone signaling, despite the microtelephone's position.

If the microtelephone wasn't hook on properly on handset holder, the telephone is available for dispatch console operator. One can cause remote controlled "on-hooking" of the microtelephone and send all need messages and alarm signals to the telephone. It is especially important for proper operating of the telephone communication system and alarm communication in underground mines.

The most important functions

- Alarm-broadcast functions:

- loud-speaking:
 - alarm call signal
 - call signal to the dispatch console operator
 - normal call signal
 - message
- alarm button
 - alarm call from telephone signaling device Jantar 2
- tap mode

- Dialing

- normal dialing (by using buttons: "cipher-buttons", "F-flash", "*", "R-redial")
- special dialing (by using buttons: "Alarm", "D-dispatch console operator", "A-advice note", "T-time")

- Presentation

- On display:
 - current time (synchronized with PBX*)
 - dialed telephone number
 - calling subscriber telephone number (CLIP function)
 - Audio presentation of time – (by voice after pressing "T"- time button)*

* if the PBX allows

- Ability to use loud speaking mode - hands-free

- Control functions

- connector status
- opening of casing
- battery (charge)
- microtelephone (off-hooked, lack of it)
- level of alarm signal
- audio track

- Backlit dialing keypad

- Ability to control changing telephone parameters remotely

- Three-color visual signaling device

Basic technical parameters

- dimensions: 350 x 170 x 100 mm
- weight: 4,7 kg
- power supply: from intrinsically safe barriers
- protection class of casing: IP 67
- certified operating temperature: -20°C to +50°C
- intrinsically safe class: I M1 Ex ia I