



**Digital Wireless
Communication System**

Nasza technologia, Twoje bezpieczeństwo

Digital Wireless Communication System

The purpose of the Digital Wireless Communication System is to provide alternative wireless communication at the excavation or in shafts. The communication between the individual users is achieved by means of the 868MHz radio network.

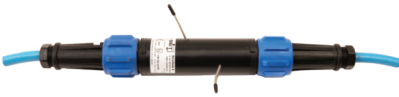
Optionally, after expansion, communication may be established with the general site switching centre or alarm and broadcast SAT system.

System functionality:

- wireless communication between the employees
- supervision over a group of employees
- optional telephone communication with the general site switching centre or alarm and broadcast SAT system
- location
- standstill
- distance
- supervision over wireless infrastructure
- battery charge level
- signal strength

Wire Node:

- suitable for installation at horizontal and vertical excavations (in shafts)
- installation spacing: 50m - 60m
- self-provisioning ad-hoc 868MHz mesh network
- permanent 9-16VDC power supply



Bat Node:

- light weight: 492 g
- operation time: 5 days
- installation spacing: 50m - 60m
- self-provisioning ad-hoc 868MHz mesh network
- additional fibre optic and copper connection



mPhone radio:

- DPMR radio
- operation time: 12h in talk, 36h in stand-by
- dual 868MHz/2.4GHz system
- WiFi VoIP-compatible
- standstill and position sensor
- broadcast functions
- search function

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