L0MT1101 Oracle RC Flameproof Radio Control Transceiver Spare Parts

The L0MT1401 Oracle RC is a self-contained, flameproof (Ex d) radio control data transceiver supporting radio remote control of mobile mining machinery.

The module communicates with a variety of Pempek manufactured handheld remote control consoles via a 2-way radio data stream. (based on the Narrow-version 866 MHz band)

A single cable entry to the product supplies power and data communications. A range of field bus options are support - including RS-422, Ethernet and Ethernet/IP. A host PLC communicates with the Oracle via field bus to receive key-press commands from the remote handset, and send machine status and data logging information back to the handset.

The PLC can also configure the operating channel.

The L0MT1401 radio frequency configuration makes it suitable for use in Russia.

Note that certification for use in Russia is pending.

Contact your sales representative for more details.
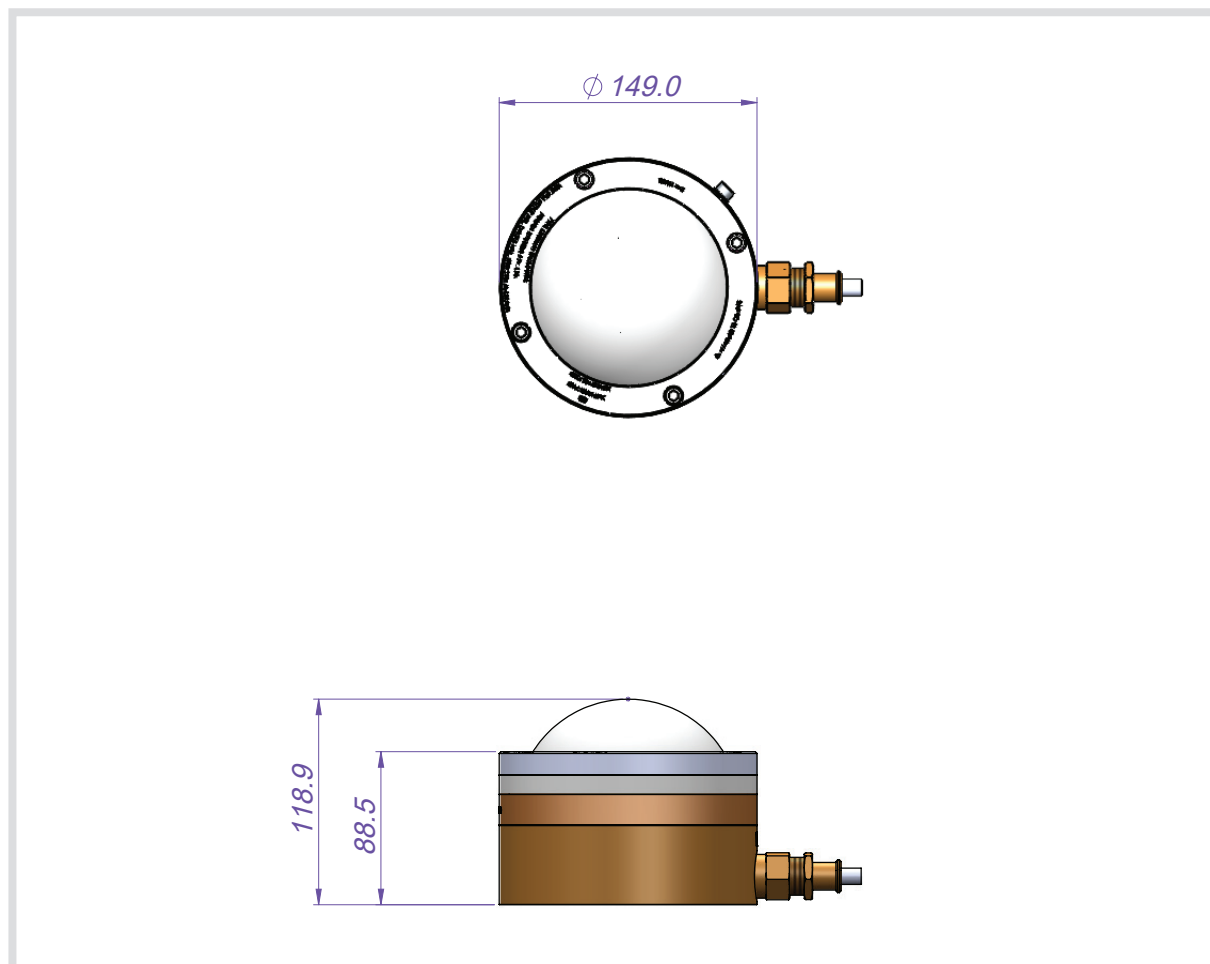

Specifications

- Radio Band: 868.7 to 869.2 MHz
- Radio Signal Strength: Less than 100 mW
- Power Supply: 24VDC
- Ambient Temperature: $-10^{\circ C}$ to $+60^{\circ C}$
- Ingress Protection: IP 65
- Field Bus: RS-422 / Ethernet (Ethernet/IP Available, Contact Sales Representative)
- Default Firmware: P0TE0001 (RS-422 / Ethernet)

Features & Benefits

- Self-contained, certified, flameproof (Ex d) housing
- No external antenna cable required
- Antenna is built into the housing of the product
- Flexible power supply options (PoE or 24VDC)
- Single gland entry for power and data cable
- Built in radio control data integrity protection
- Supports PLC safety functions such as handset model verification and handset serial number pairing
- Simple, easy way to add remote control to any flameproof application
- Easy maintenance
- Easy configuration

Typical Application

- Underground mining vehicles
- Continuous Miners
- Bolter Miners
- Road Headers
- Longwall Shearers
- Feeder Breakers
- Mobile Bolters
- Shuttle Cars

ϕ 149.0

118.9

88.5

Dimensions (mm)