

# PROBELL SYSTEM

## ONSETTER, BANKSMAN & DRIVER UNIT

The ProBell system uses a unique design patented by Telbit, which enables the system to operate without any active electronics underground.

Onsetter units are installed at various under ground levels, and are connected to the winder using the patented Multi-wire configuration. The Onsetter and Driver communicate with each other in the form of bells that rings the message as pressed on the unit.

The system uses a keypad encoder in each unit, which decodes the pushbutton pressed, which is read by a PLC (Programmable Logic Controller). The PLC records the button pressed, but wait until whole message is completed. Only when the transmit button is pressed, is the validity of the message verified, and the bells starts to ring the message following the industry standard 150mSec pulse duration, with 300mSec delay between pulses. An invalid message is indicated with an error lamp on the unit.

In addition to the normal buttons is also a Clear button, to clear an unwanted message before it was send, and a Jog Up and Jog Down button.

In case of emergency the red Long Ring pushbutton rings immediately when pressed overriding all messages, and continues to ring for 5 seconds after release.

A robust heavy-duty lock and key, available in different makes and models of choice, is used to switch the unit on and off. The unit also incorporates two robot lamps, green and red, to indicate the brake interlock status.

The Onsetter unit is equipped with a loud 105dB electronic sounder, where the Banksman unit has an additional electro-mechanical bell, to easily distinguish between onsetter and banksman ringing.

### Features

- AC or DC operation 18V-45VDC, 32VAC, 110VAC
- Manufactured from 2mm powder coated stainless steel.
- 20mm knock-out holes for cable entry
- Numbers are engraved on a stainless steel fascia
- Driver unit is panel mounted on the driver control panel
- Tamper proof robust key operated power switch..
- Relay extension to control robot lights

