

TRANSMITTER

# ERGO-F 21





# TECHNICAL SALES SHEET

## Transmitter Type: ERGO-F 21

- **Housing:**  
Ergonomically designed PC-ABS blend housing, one-hand operation
- **Environmental Protection:**  
IP65 (Exceeds Nema 12/13)
- **Weight:**  
Up to 400 g (14.2 lbs), including battery
- **Dimensions:**  
Height: 186 mm (7.3 in)  
Width: 82 mm (3.2 in)  
Depth: 40,5 mm (1.6 in)
- **Antenna:**  
Internal
- **Power Supply:**  
3.6V NiMH rechargeable battery
- **Diagnostics:**  
Status LED for operation and standard/advanced low battery detection
- **Operation Time:**  
Up to 20 h continuous transmission
- **Control Configuration:**  
21+2 single step push buttons on the front panel, three push buttons on sides, push button "Start", red button STOP
- **Frequency Range:**  
2.4 GHz non Ex version only  
2.4 GHz-MFS  
434 MHz
- **Power (RF Output):**  
<10 mW
- **Typical Operating Range:**  
MFS 2.4 GHz / 2.4 GHz - up to 70m (230 ft)  
434 MHz - up to 100 m (300 ft)
- **Safety:**  
20-bit programmable address concept with up to 1mln combinations  
Parity & Cheeksum
- **Temperature Range:**  
-25°C to 70°C (-11°F to 158°F)
- **Humidity Range:**  
0-97% maximum non-condensing
- **Response Time:**  
Approx. 100 msec.
- **Baud Rate:**  
Up to 9600 Kbps
- **Standard Features:**  
Fully programmable via H-link software  
Integrated LCD graphic display for feedback  
Combination stop/address key cap that stores configuration settings  
Up to 16 LED feedback  
Hand and wrist strap  
Labeling according to project specification  
Touch sensors to increase safety  
Mining version also available I M2 Ex ia I Mb

