



WT-300 WIFI TRANSPONDER

- Bi-Directional Panic signals from the user to the RTLS and back
- Inductive Wireless Charging
- Low Voltage Alarm
- Temperature Alarms
- Emergency Panic Signal
- Inactivity Alarm
- Free Fall / Man Down Alarm
- Status Messages

FEATURES

The Wi-Fi Transponder from Becker Mining Systems is a Proven True Real-Time location transponder with scalability, flexibility and reliability incorporated into its design. Designed specifically for the mining and tunneling market allowing for 100% active RFID performance. Forming part of the smartcom product range the Wi-Fi Transponder conforms to our core values Know-how | Performance | Reliability.

Allowing for a wide range of implementations and being network agnostics allows the Wi-Fi Transponder to be used on any Wi-Fi network with no impact to the network.

Utilizing Inductive charging technology allows the users to charge the Wi-Fi Transponder in under 2Hrs and housed in an IP54 Enclosure allowing for every eventuality the user can expect during day to day use in both indoor and outdoor use.

TECHNICAL DATA

PERFORMANCE SPECIFICATION	
Frequency	2.4GHz
WiFi Standard	802.11 b, g, n
Encryption	WPA(TKIP), WPA2(AES), WEP
RF power	802.11g +16dBm(25mW)@11Mbs
Sensitivity	802.11g -93dBm@11Mbs

ELECTRICAL DATA	
Battery	Li Ion Polymer rechargeable battery(3.6V), 700mAh
Current consumption	peak 300mA, Average: 20mA, Sleep: 0.1mA
Battery life	approx.. 60h
Battery charging time (from 5%)	approx. 2h

ENVIRONMENTAL DATA	
Operating temperature	-20 - +40 °C
Enclosure	IP54 with 95% non-condensing relative humidity
Environmental standards	Cold (IEC 60068-2-1), Dry heat (IEC 60068-2-2), Vibrations (IEC 60068-2-6)
Safety	IEC 60950-1, IECEx 60079.0 (pending)

MECHANICAL DATA	
Dimensions (L x H x W)	84 x 15 x 53 mm (3.3 x 0.59 x 2.09 in)
Weight (nominal)	0.063 kg (0.139 lbs)

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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