



WT-400 WIFI VEHICLE TRANSPONDER

- Inactivity Detection and Impact (collision) Alert
- Battery charging and battery full LED indication
- Connected to network LED indication
- Temperature Alarms
- Battery Alarm at <20%
- MAC Address
- Customizable SSID, network and AP settings
- Omni directional internal antenna

FEATURES

The WT-400 Vehicle 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 WT-400 Transponder to be used on any Wi-Fi network with no impact to the network.

The WT-400 is an RFID transponder designed to be attached with a magnet to a vehicle. The tag main electronic components consist of a WiFi castellated edge module with internal antenna, an 8 bit MCU, battery charger and monitor, accelerometer and a rechargeable Li Ion Polymer battery. All these components are fitted inside an IP66 enclosure.

TECHNICAL DATA

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

| MECHANICAL DATA | |
|------------------------|--|
| Dimensions (L x H x W) | 120 x 40 x 65 mm (4.7 x 1.6 x 2.6 in) |
| Weight (nominal) | 0.31 kg (0.68 lbs) |

| ELECTRICAL DATA | |
|---------------------------------|--|
| Battery | Li Ion Polymer rechargeable battery(3.6V), 2500mAh |
| Current consumption | peak 300mA, Average: 20mA, Sleep: 0.1mA |
| Battery life | approx. 7 days |
| Battery charging time (from 5%) | approx. 3h |
| Supply Voltage | 9 - 32 VDC |

| ENVIRONMENTAL DATA | |
|-----------------------|---|
| Operating temperature | -20 - +40 °C |
| Enclosure | IP66 with 95% non-condensing relative humidity |
| Safety Standard | CIEC 60950-1, CSA 22.2 60950-1, UL 60950-1 |
| FCC | IEC 6100-6-2 (EMC Immunity) IEC 6100-6-2 (EMC Emission), |

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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