GET Trakka SEN_GET_P1_5.5 Get Sensor Tag User Manual

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GET Trakka SEN_GET_P1_5.5 Get Sensor Tag

Product Information

The SEN_GET_P1_5.5 is an RFID sensor tag designed for active monitoring of digger wear components during operation. It is embedded inside Ground Engaging Tools and built to withstand extreme mining conditions. The tag wirelessly transmits data to the receiver via RF transmissions and is activated/deactivated using the portable reader. The tag has a Poly-Carbonmonof luoride Lithium Coin-Cell Battery with a nominal voltage of 3V and nominal capacity of 1000mAh. The tag has a 1-year active tag life and operates at an operating temperature of -20°C to 85°C. The outer diameter of the tag is 40mm and height is 40mm with a weight of 50g.

Product Usage

1. Embed the SEN_GET_P1_5.5 RFID sensor tag inside the Ground Engaging Tools to be monitored.
2. Turn on the portable reader and bring it within range of the RFID sensor tag.
3. The sensor tag will wirelessly transmit data to the receiver via RF transmissions.
4. To deactivate the sensor tag, bring the portable reader within range of the tag and turn it off.
5. The tag has a 1-year active tag life, after which it needs to be replaced with a new one.
6. Ensure that any changes or modifications are approved by the grantee to avoid voiding the user's authority to operate this equipment. The equipment should also be installed and operated with a minimum distance of 20cm between the radiator and all persons during normal operation.
7. For any assistance, email **support@crdigital.com** or call (+61) 1300 33 8482.

DIMENSION

The SEN_GET_P1_5.5 is a consumable RFID sensor tag for the GET Trakka breakage detection solution. Designed to be embedded inside Ground Engaging Tools for active monitoring of digger wear components during operation and built for extreme mining conditions. This SEN_GET_P1_5.5 wirelessly transmits data to the receiver via RF transmissions and is activated/deactivated using the portable reader.

SPECIFICATION

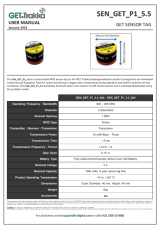
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required.

	SEN_GET_P1_3.5_920, SEN_GET_P1_5.5_920
Operating Frequency / Bandwidth	920 – 925 MHz
Channels	4 Selectable
Channel Spacing	1 MHz
RFID Type	Active
Transmitter / Receiver / Transceiver	Transceiver
Transmission Power	10 mW (Max) – Fixed
Transmission Time	1.5 ms
Transmission Frequency / Period	1.0 Hz / 1s
Duty Cycle	0.15 %
Battery Type	Poly-Carbonmonofluoride Lithium Coin-Cell Battery
Nominal Voltage	3 V
Nominal Capacity	1000 mAh (1-year active tag lif e)
Product Operating Temperature	-10 to +120 °C
Dimensions	Outer Diameter: 40 mm, Height: 40 mm
Weight	50g
Accessories	**NA**

Warning: Any changes or modifications not expressively approved by the grantee could void the user's authority to operate this equipment. This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and all persons during normal operation.

For assistance, email support@crdigital.com or
call (+61) 1300 33 8482

Documents / Resources



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