

QUICKSTART GUIDE

LoRaWAN™ Radar Traffic Counter

- TCR-EU868
- TCR-US915
- TCR-AU915
- TCR-AS923



Setup

You can open the device to access the USB configuration port to change device settings.



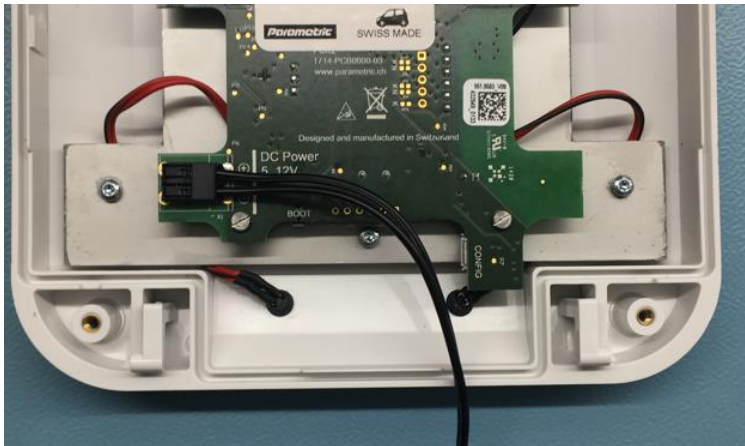
- Remove the four screws from the casing to gain access to the device.
- Carefully open the enclosure while making sure not to yank the cables connecting the two electronic parts in the top and the bottom of the casing.



- Connect the sensor to your Computer with a USB Cable using the Config Port.
- Download Parametric Device Explorer from <https://www.parametric.ch/downloads/>

Electrical Installation

TCR devices can be powered by a 5-24V DC power supply or a battery (not included).



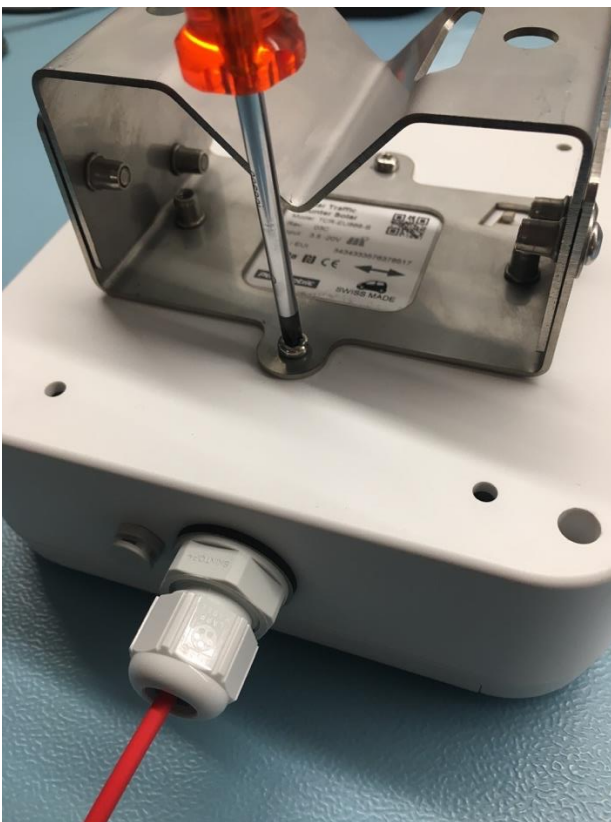
- Carefully check polarization
- Gentle press terminals and push in wire.
- Wires should be 22 - 18 AWG (0.2 - 0.75mm²).



- Guide the cable through the cable gland.
- Before closing the casing, make sure that the two components are aligned as depicted.
- The cable gland is pointing downwards and should be fastened to ensure water protection



- WPMB Universal Mounting Bracket can be attached with 2 screws.

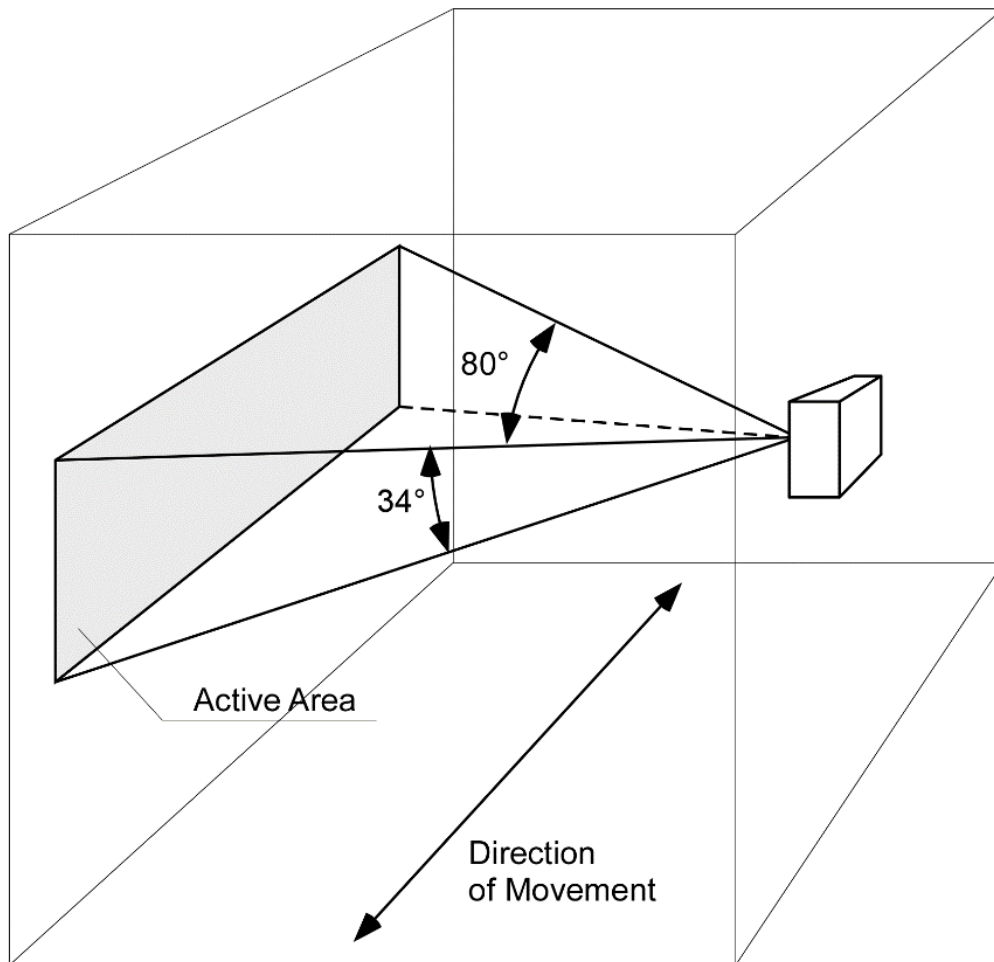


- Optional MT40 tiltable pole mount needs to be attached to the TCR-S.

Optimal Placement

TCR-S are 1D sensors measuring Traffic along a virtual line.

The device can be directed horizontal or with a tilt up to -40



Installation scenarios

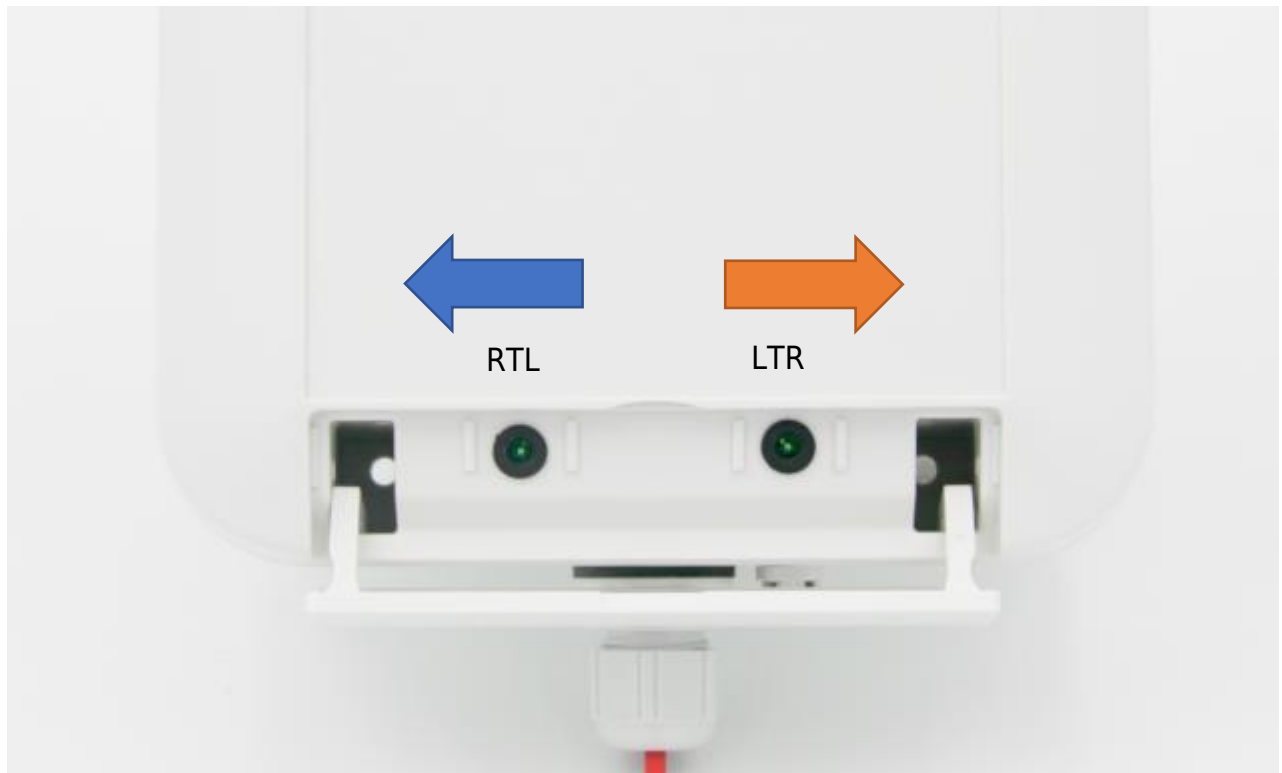
Counting bicycles Place at saddle height

Counting people: Place at hips height

Counting cars: Place at door handle height

Testing

Counting functionality can be checked by 2 direction leds.



- **RTL LED** blinks when traffic detected from right
- **LTR LED** blinks when traffic detected from left

If both LEDs are blinking, the device is trying to connect to the LPWAN.



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www.parametric.ch

www.parametric.ch/product/tcr