

theben

310 336

Antenna top2 RC-GPS

for top2 RC devices

907 0 610



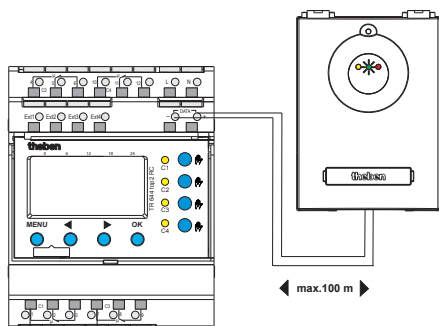
Designated use

GPS receivers enable global positioning. As every satellite continually transmits UTC time (Greenwich Mean Time) via an atomic clock, it can be received worldwide.

The top2 RC GPS antenna receives position and time signals from GPS satellites and passes them on to time switches. The exact local time is calculated in the time switch according to the set time zone.

Adjust top2 RC GPS antenna

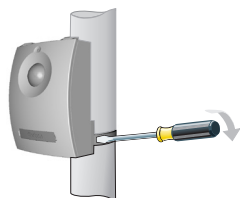
- Position the top2 RC GPS so that it has a "clear view" of the sky. The yellow LED lights up (receiver is ready).



Install top2 RC GPS antenna

- Fix top2 RC GPS to the wall (using drilling template).

The top2 RC GPS antenna can also be attached to a mast (using hose clips).



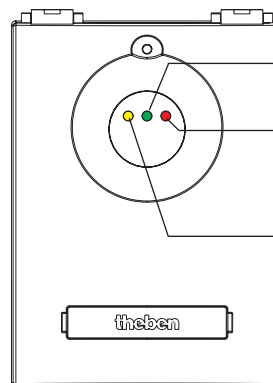
Good reception is achieved by installing on external wall of buildings.



- Do not lay cable parallel to antenna.
- Lay cable separately.
- Avoid installing under roofs.
- Connect at least one 365 day timer or time switches such as LUNA, SELEKTA (+ top2 GPS power unit) and one light sensor to top2 RC GPS antenna.
- Connect a maximum of five 365 day timers

Antenna function only possible if the connected time switch supplied with operating voltage.

Open/close top2 RC GPS antenna



green LED flashes: GPS reception available

red LED lights up: 2-wire cable to time switch is not connected correctly

yellow LED flashes: too few time switches connected

yellow LED lights up: Receiver ready but no GPS data received as yet

- Ensure correct polarity.

Technical data

- Operating voltage: Bus voltage: 15 V DC, low voltage in protection class III (SELV)
- Permissible ambient temperature: $-30^{\circ}\text{C} \dots +70^{\circ}\text{C}$
- Protection class: III in accordance with EN 60730-1
- Protection rating: IP 55 in accordance with EN 60529
- Cable types: NYM (3 x 1.5 mm²), J-Y(St)Y (2 x 2 x 0.8 mm²), KNX bus line YCYM (max. 100 m)
- Use: only for devices in top2 RC range
- Power requirement: 70 mA (at DATA Bus)
- Pollution level: 2

Connection examples:

1. Minimum number of participants that are needed to operate the antenna:
 - 1 x 365 day timer TR 64x top2 RC with 100 mA feed or
 - 2 x weekly timer TR 611 top2 RC, SELEKTA 171 top2 RC, LUNA 121–122 top2 RC each with 50 mA feed or
 - 1 x weekly timer with 50 mA feed plus 1 x top2 GPS (907 0 892) power unit with 50 mA feed
2. Maximum number of participants at DATA bus as the maximum power at DATA bus is limited to 500 mA
 - 5 x 365 day timers TR 64x top2 RC each with 100 mA feed
 - 1 x 365 day timer with 100 mA feed plus 8 x weekly timer each with 50 mA feed
 - ...

Service address

Theben AG
Hohenbergstr. 32
72401 Haigerloch
GERMANY
Telephone +49 (0) 74 74 6 92 0
Fax +49 (0) 74 74/6 92-150

Hotline

Telephone +49 (0) 74 74 6 92 -369
Fax +49 (0) 74 74/6 92-207
hotline@theben.de
Addresses, telephone numbers etc.
www.theben.de