Schneider Electric

GPS Antenna
MTN6606-0071

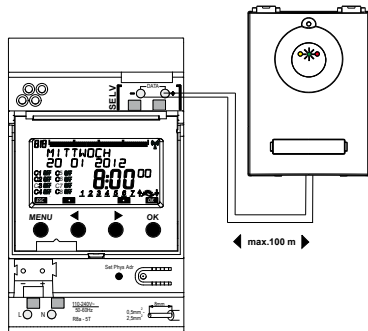## Designated use

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 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/open GPS antenna

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

max. 100 m

Install GPS antenna

➢ Fix GPS antenna to the wall (using drilling template).

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

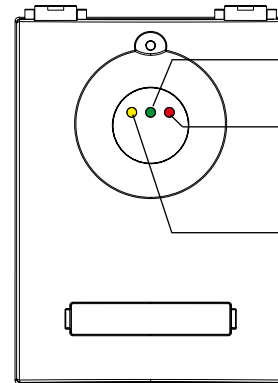Good reception is achieved by installing on external wall of buildings.

⚠ ➢ Do not lay cable parallel to antenna.
➢ Lay cable separately.
➢ Avoid installing under roofs.
➢ Connect at least one KNX yearly time switch REG-K/8/800 to GPS antenna.
➢ Connect a maximum of five yearly time switches.

Antenna function only possible if the connected time switch REG-K/8/800 supplied with operating voltage.

Connect GPS antenna

Connect cable
➢ Strip cable by 8 mm (max. 9 mm).
➢ Insert cable at 45° in the open terminal (2 cables per terminal position possible).
➢ Only with flexible wires: To open the plug-in screwless terminal, press screwdriver downwards.

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 °C ... +70 °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 mm^2), J-Y(St)Y (2 x 2 x (max. 100 m) 0.8 mm^2), KNX bus line YCYM
- Use: for KNX Year Time Switch REG-K/8/800 (art.-no. MTN6606-0008)
- Power requirement: 70 mA (at DATA Bus)
- Pollution level: 3 in accordance with EN 60730-1

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If you have technical questions, please contact the Customer Care Centre in your country.
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