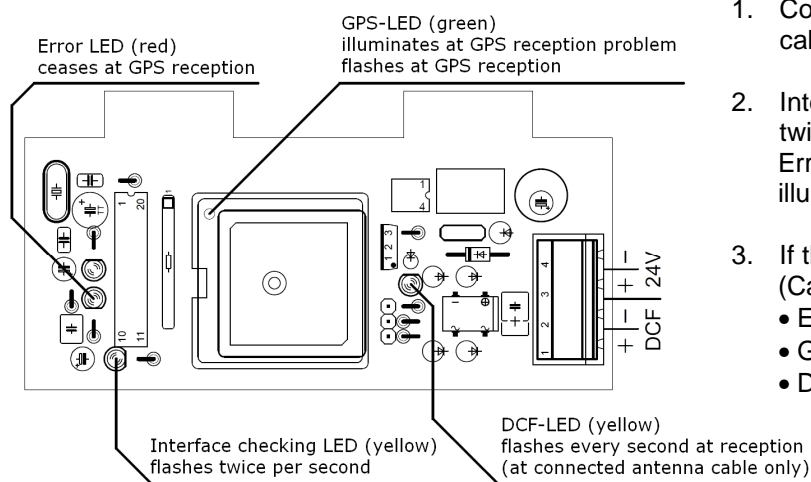




GPS-ANT8 GPS synchronisation antenna

- + The GPS module is a small 50-channel-GPS, which compact size and low power consumption is almost perfectly qualified for our applications.
- + The receiver uses maximum 50 channels for communication with up to 15 GPS satellites whereat always other ones for exact time transmission will be selected.
- + The GPS module receives via GPS UTC time and it calculates local time.
- + Summer/Winter daylight saving times are also calculated automatically.
- + The required 24V DC power supply can be used from BMC or MPU series master clock in parallel.

Start of operation:



1. Connect 24 V power supply and DCF cable.
2. Interface checking LED (yellow) flashes twice/second
 Error LED (red) and GPS LED (green) illuminates for the present
3. If the GPS antenna gets reception:
 (Can take up to 15 minutes)
 - Error LED (red) ceases.
 - GPS-LED (green) flashes.
 - DCF-LED (yellow) flashes every second if the DCF output is connected to a master clock.

Technical specifications:

Mode of reception:	50-Channel-Receiver, 1575 MHz
Power supply:	8 ... 28 V DC
Current consumption:	70 mA (at 8 V) ... 25 mA (at 28 V)
Housing:	Weatherproof plastic case, grey, 90° pivoted, including mounting holder (fixed through screw coupling Ø 4 mm)
Protection class:	IP 56
Installation:	Horizontal composition outdoors with clear view to the sky (e.g. roof, pole)
Cable connection:	GPS antenna to master clock: 4x0.25 mm ² Length max. 200 m (cable not included)
Operating temperature:	-30 °C to +70 °C
Storage temperature:	-40 °C to +85 °C
Dimensions:	128 x 88 x 58 mm
CE Compatibility:	EN60950, EN61000-6-1, EN61000-6-3

Option:

GPS-ANT8-NT:	External power supply unit for use of antenna together with LCU master clock
MPU-GPS8-SPV:	Extension to MPU series master clocks for 24 V DC power supply of GPS antenna via power supply unit of MPU series master clock (built-in into master clock)



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