PL-SYNC
Intelligent synchronisation input module

General description

The synchronisation input, PL-SYNC, is used when a Pro-Line Time Central is synchronised from an external time source. The time source can be either a radio receiver type GPS, DCF, MSF etc. or another Time Central / Master Clock sending Time Code (TC), 1/1-minute- or 1/2-minute pulses. Should the external sync. pulse disappear the PL-SYNC automatically switches over to the internal time base.

Characteristics

- Hot swap and Plug and Play Functions.
- Automatic take-over function.
- Integrated real time clock (RTC).
- Serial bus connection (2-wire) for communication with the Master Clock/Time Base Module (PL-TB).
- Flash and EEPROM memory for program and parameters stores all data in case of a power failure.
- Super capacitor for real time clock function (RTC) during a

Technical data

Art. no.: 123755-00

Supported sync. sources

Radio receivers: GPS, art. no. 122982-00, 122980-00.
DCF, art. no. 122984-20
MSF, art. no. 122985-20
RDS, art. no. 122983-00

Sync pulses: 1/1-minute impulse polar reversing.
1/1-minute impulse non polar reversing.
1/2-minute impulse polar reversing.
1/2-minute impulse non polar reversing.

Pulse voltage: 18-30 V DC.
Pulse length: 0.5-4 seconds.
Distance between pulses: 60 sec. +/- 1 sec. (1/1 min. sync.)
30 sec. +/- 1 sec. (1/2-min. sync.)

Time Code: Hard wired DCF Time Code (TC)

MTBF: 261,020 hours

Operating temperature: 0°C up to +40°C

Dimensions: W=20 (4TE) H=128.4 D=160 mm.

Weight: 0.15 kgs