SMT SCANDINAVIAN MARINE TIME

Master Clock Mark 1 TC

- Management of UTC and LT time on board ships

- Operation of slave clocks

- Output signal for various purposes

- Back-up System

SMT SCANDINAVIAN MARINE TIME

Management of time on board ships

The Master Clock Mark 1 TC from SMT is the ideal solution for management of both local time and UTC time on board ships. With many years of experience, our Master Clock Systems has proven very reliable and useroriented.

Main features

Track on LT and UTC time. Operation of up to 250 slave clocks. Serial communication to other systems. Output signal for various purposes. Programmable Relay outputs.

Operation of Master Clock

Master Clock Mark 1 TC is provided with a useroriented keyboard, used for adjustment of time, programming, test and lightdimming. The built-in display has 2 lines, indicating LT, UTC, date and year during normal operation.

Furthermore, the display provides guidance for the operator during programming and activation of function keys.

Back-up

Master Clock Mark 1 TC is provided with back-up for all functional setups. The UTC and LT time are not stopped during power off, but continues running in memory. When power returns, all slave clocks are adjusted to correct time and a serial time signal is transmitted to all external units connected (PC, Voyage Recorder, Alarm Systems, etc.)

Design

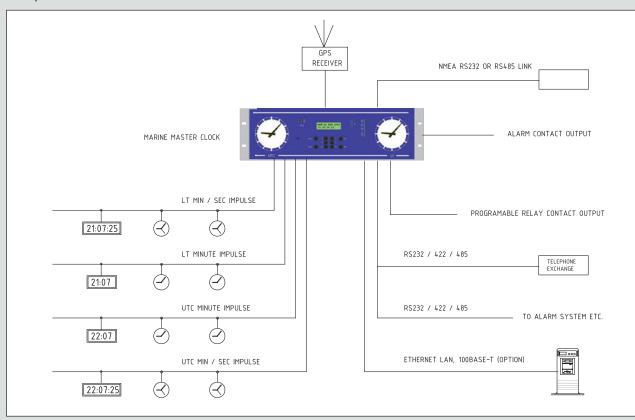• Table mounting
• Flush mounting
• Rack mounting

Dimensions

• Length: 448 mm
• Height: 134 mm
• Depth: 195 mm
• Weight: 5,0 kg

Input

• RS232 or RS485, NMEA0183 ZDA
• GPS
• Ethernet LAN (Option)

Output

• Polarized minute and second impulses for digital, analogue and intelligent self synchronizing slave clocks
• Serial RS232 and/or RS422/485 output I.e. to the ship's computer, Voyage Recorder, Telephone Exchange, etc.
• Programmable Relay outputs
• Power Failure Alarm Contact
• Ethernet LAN (Option)

Example of Electrical Connections