Master Clock - Marine





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Showing UTC and LT

4 clock outputs with different systems

Serial output - Relay outputs - Alarm output

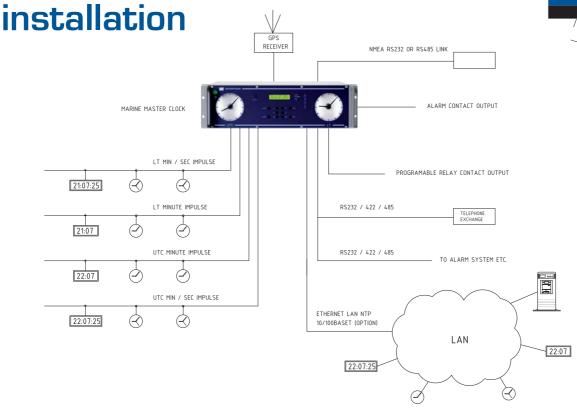
NMEA input

GPS, Ethernet and software as option

Rules and regulations acc. to IEC-EN60945:2002

Example of a Marine Time





MASTER CLOCK MARINE Art.no 123378-01

MASTER CLOCK MARINE Art.no 123378-11 - With Ethernet connection

Crystal frequency: 4,915200 MHz

Accuracy: 0,1 sec./24 hours (+200°)

Microprocessor: HD6412394

Time memory: 30 days (Back-up with Super Capacitor)

Ambient temperature: 0°C to +50°C

Relative humidity: Max. 85% non-condensing Case: 19" case in aluminium

IP rating: IP20
Weight: 5.6 kg

Power Supply voltage: 90 - 264V 50/60 Hz and 24VDC

CE-approval, EMC: Emission according to EN61000-6-3, Immunity according to EN61000-6-2

Serial outputs: 2 serial ports, one RS232 and one RS422/485

Alarm outputs: 2 Changeover potential-free contacts

Impulse Output 1-4: 2-wire, 1/1 minute, 1/2 minute, 1/1 second, 1/2 second, time code (TC)

Impulse Output 4: 3-wire for forward/back.1/1-minute alt. 1/2-minute

The outputs have a short circuit protection which is automatically restored

Type of time: LT, UTC

Impulse length: Minute 0.1-9.9 sec

Second O.1-1 sec

Max. load / output: 2A

Tot. load all outputs together: 2.5A

Max load/relay output: 230 V 6A.

Program memory: 100 year (EEPROM).

Signal points: 800

Relay output no. 2 can be dedicated to send out a special pulse.

When this function is enabled, the relay is activated every day for 5 seconds at O2.00 UTC.

For more technical data, see document 9539