

EMDD

Multi-Data Display



SYNCHRONIZED TIME

- ☐ Displays local and universal time.
- ☐ Provides battery backup for 30 mins in case of power outage.
- ☐ Different ways of mounting.
- ☐ Automatic and manual adjustment of backlight.
- ☐ Displays navigation data, eg. heading, course, depth.

EMDD Multi-Data Display not only displays the UTC and LT times, but also allows to create a clocks system based on the number of devices connected together in the architecture of Master - Slave. The current time is taken from an external GPS receiver or other source of time, including another EMDD GPS Clock, using NMEA0183 serial connection.

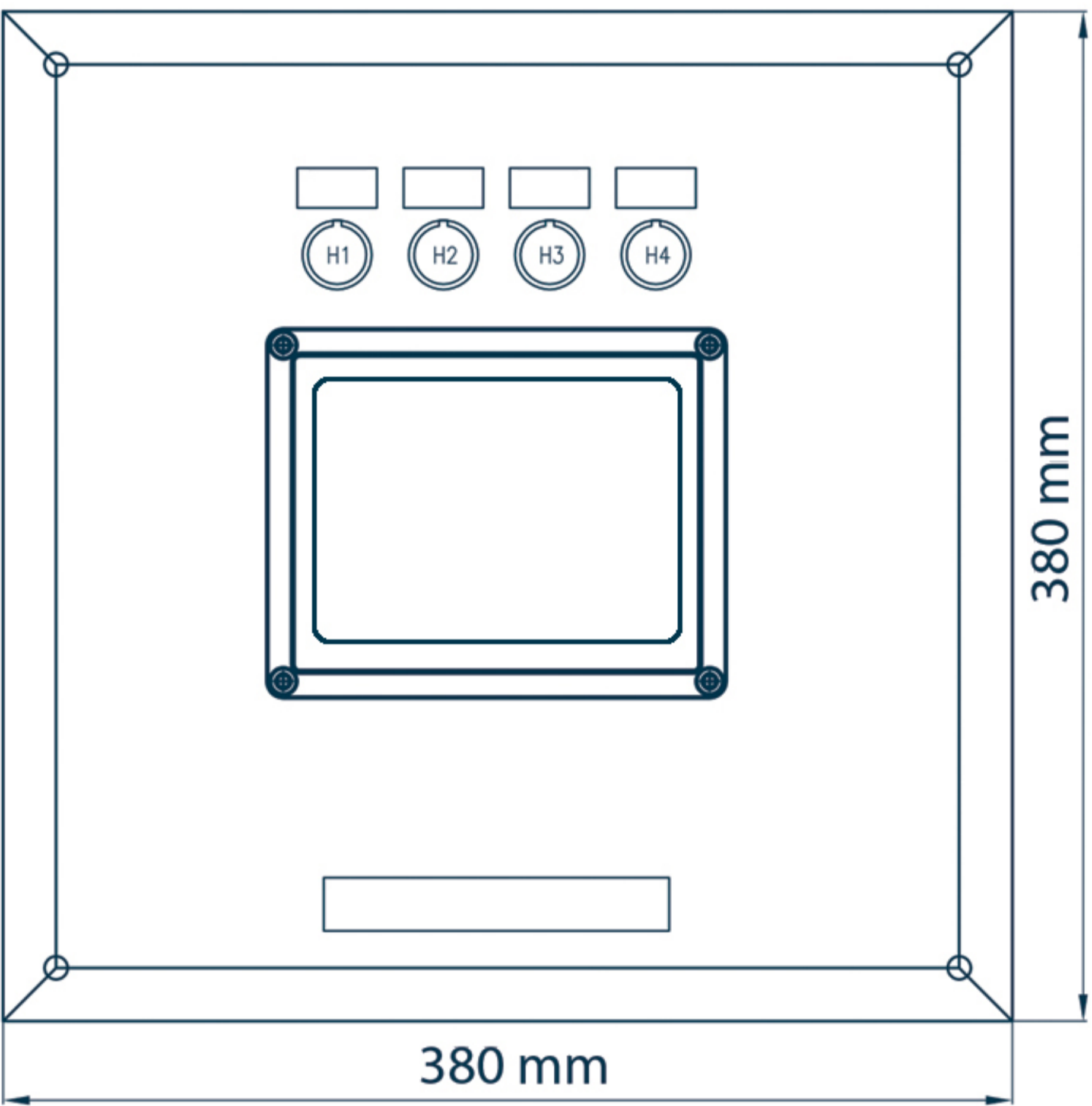
Joined together, the devices are used to create on-board time switchboard. In addition, EMDD provides the current position and the course of a ship.

If there is loss of communication with the primary device (Master Clock or GPS Clock), the clock will automatically switch to its own generator of time (stability: 20ppm).

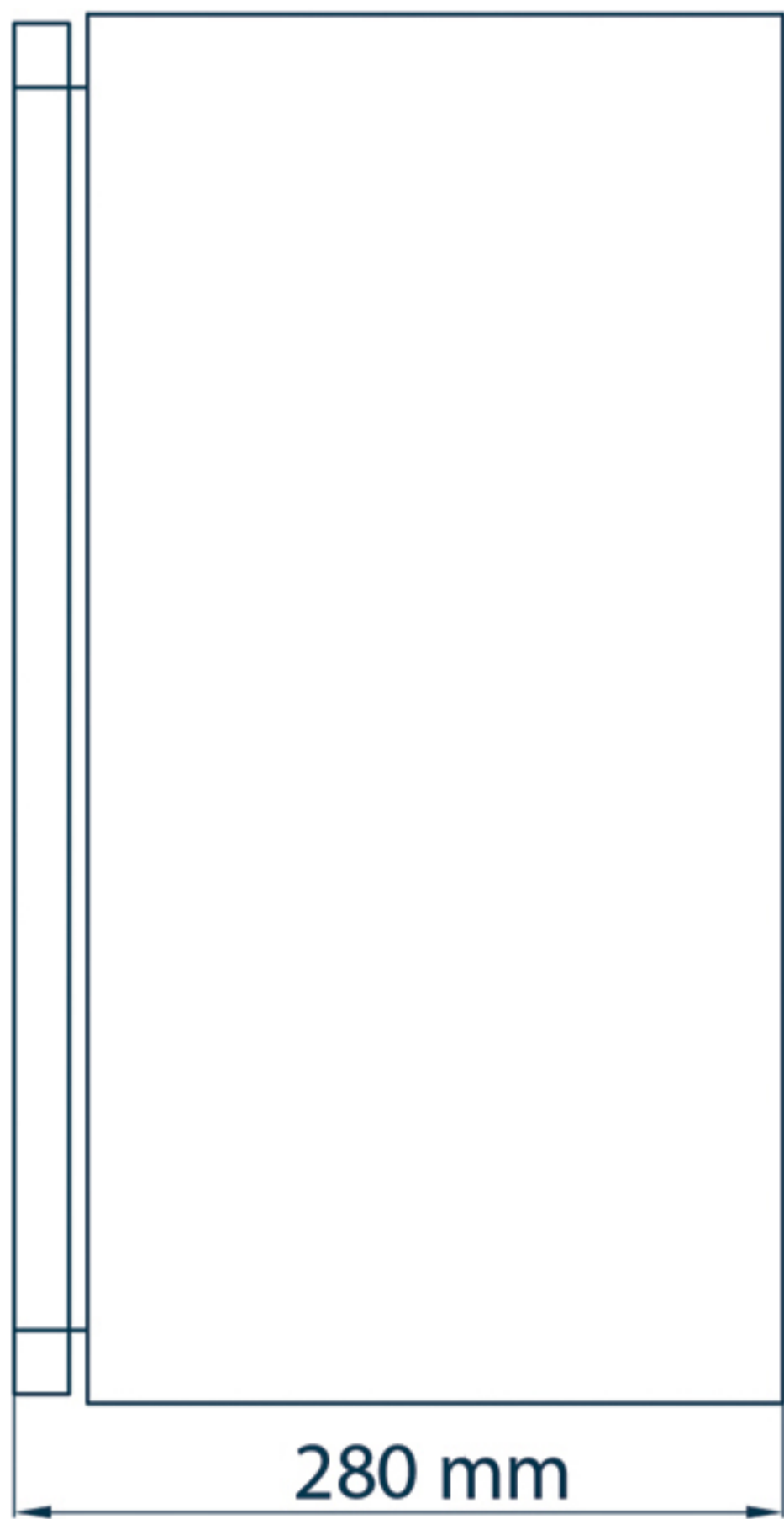
EMDD works correctly no matter what time zone it is located in - manual or automatic change of time zone with one minute accuracy within + / - 12 hours is available.



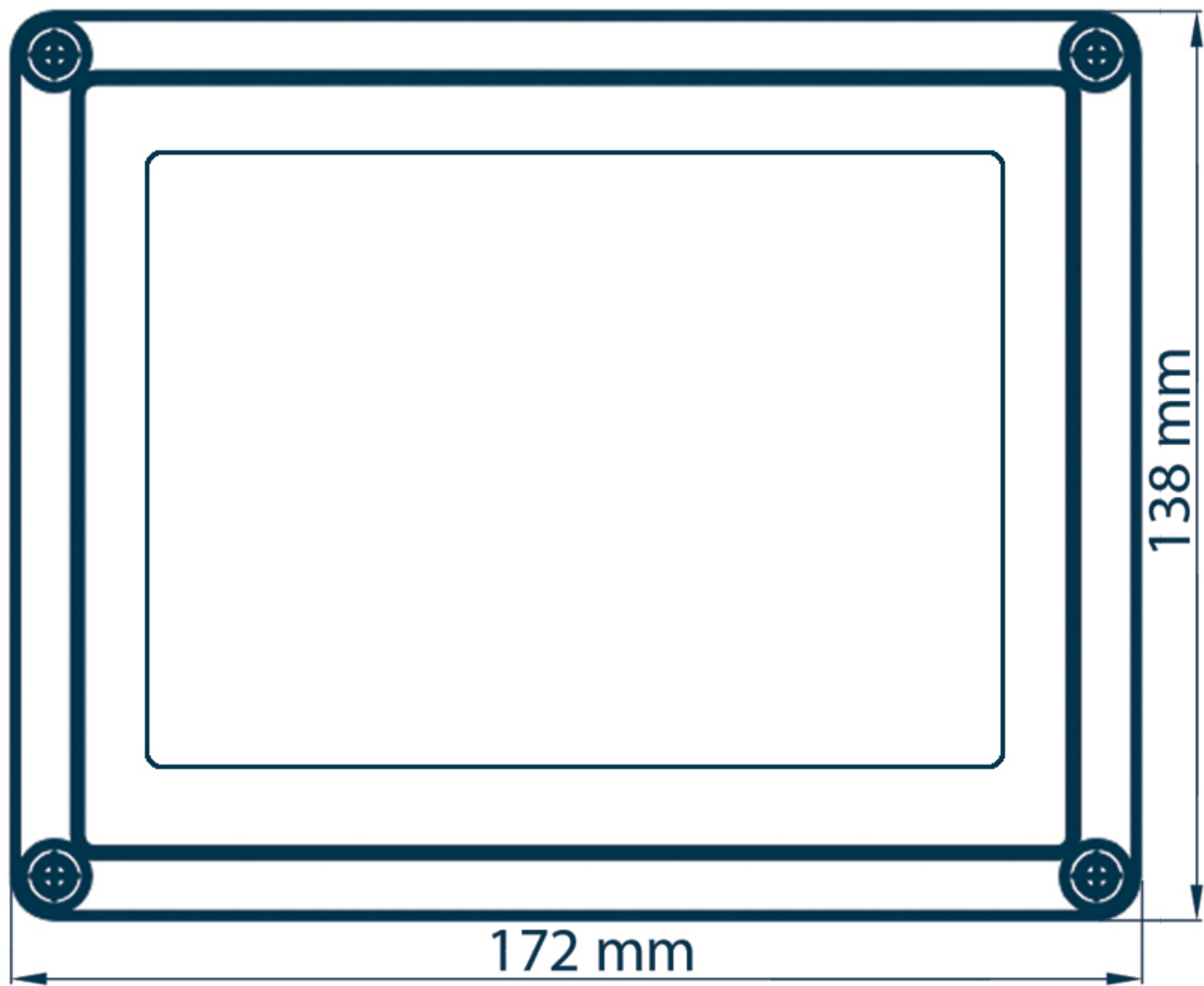
FRONT VIEW (Master Clock)



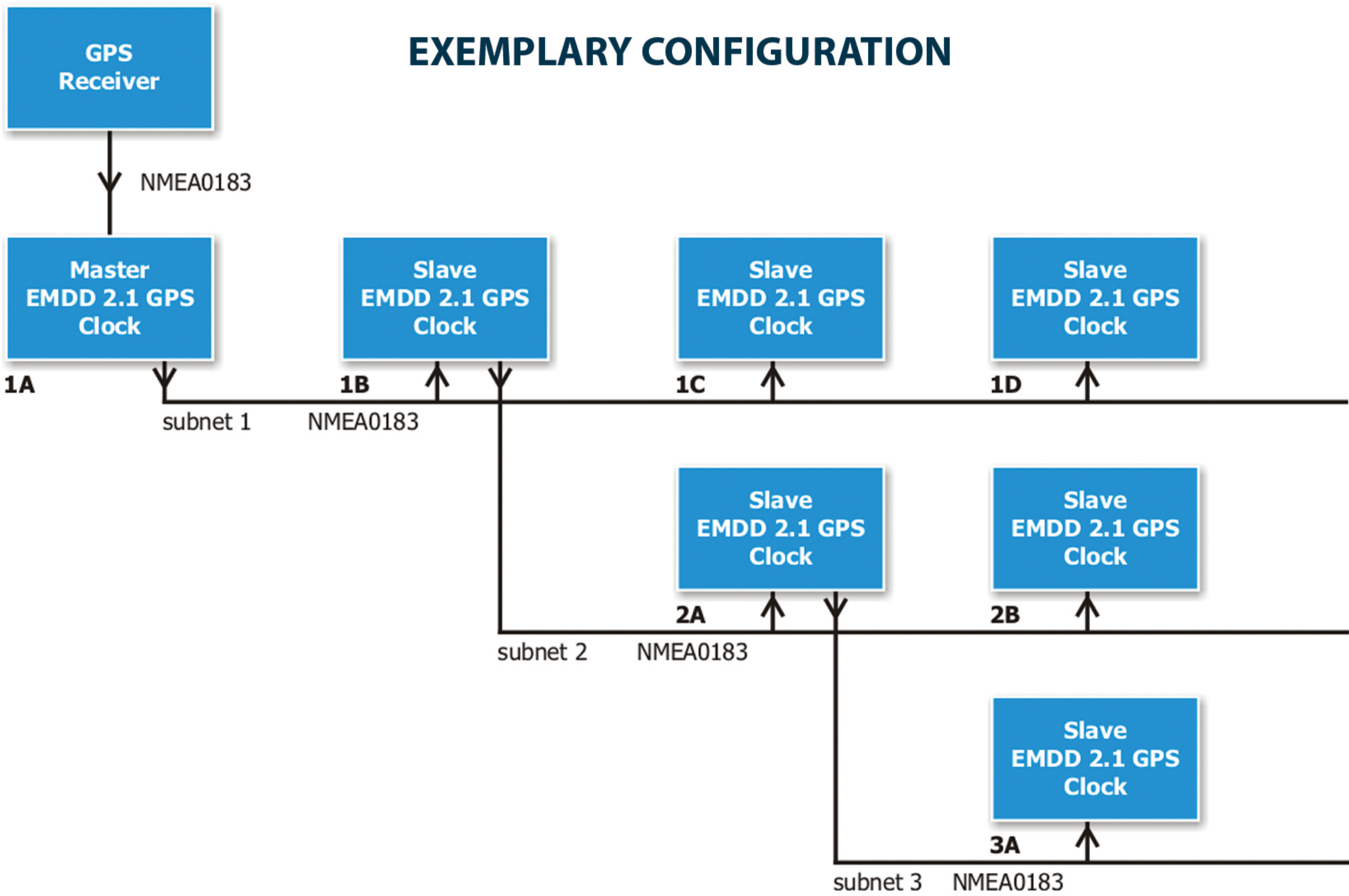
SIDE VIEW (Master Clock)



FRONT VIEW (Clock Repeater)



EXEMPLARY CONFIGURATION



MASTER CLOCK TECHNICAL SPECIFICATION:

Supply voltage:	230VAC
Maximum current consumption by the entire clocks network:	230VAC / 4A
Battery backup of entire clocks network:	12Ah / 24VDC
NMEA Input / Output:	in accordance with IEC 61162-1 and I TU-T X.27/V.11
Dimensions of the Master Clock:	172 x 138 x 40
Housing dimensions for the Master Clock:	380 x 380 x 210
Number of buttons:	4
Display:	Dimensions: 110mm x 60mm LCD Resolution: 240x128
Backlight:	LCD
Accuracy:	Such as GPS
Displays:	UTC and LT and navigation information (COG, SOG, LAT, LON)

CLOCK REPEATER TECHNICAL SPECIFICATION:

Supply voltage:	24VDC
Current consumption of the repeater:	24VDC / 150mA
NMEA Input / Output:	in accordance with IEC 61162-1 and I TU-T X.27/V.11
Dimensions of the GPS Clock repeater:	172 x 138 x 40
Housing dimensions for the repeater:	200 x 160 x 90
IP66 housing dimensions for the repeater:	230 x 200 x 110
Number of buttons:	4
Display:	Dimensions: 110mm x 60mm LCD Resolution: 240x128
Backlight:	LCD
Accuracy:	Such as GPS
Displays:	UTC and LT and navigation information (COG, SOG, LAT, LON)