

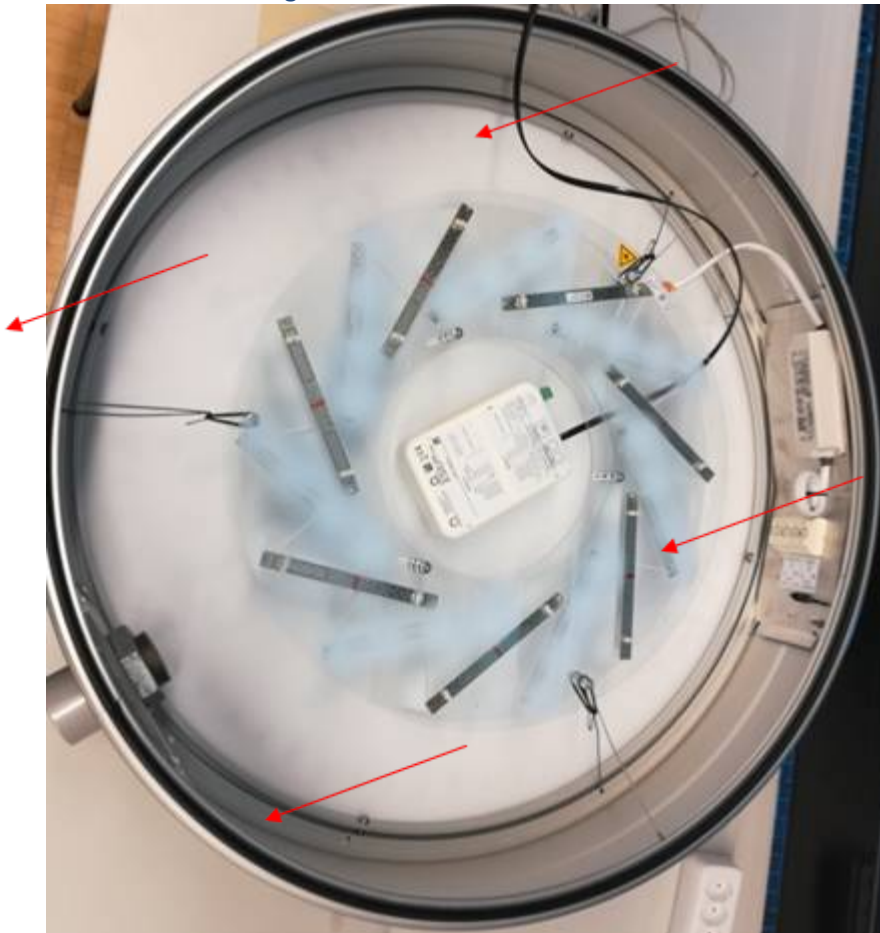
## Exchange movements in a double-sided round Profiline clock

1. remove the modules (ring with glass and dial) from housing.

Module with hinge:



Module without hinge: Remove 4 screws from inside of the clock



2. Lay the ring with glass on the lower side on a table
3. Make a mark e.g. at 12:00 position on dial and housing with a pensile (to align it exactly in the same position, when you insert the dial back to the ring).



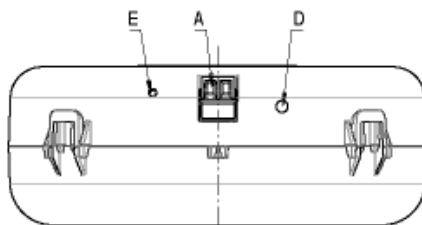
4. then loosen the screws on bottom side of the ring.



5. try to spread the ring, until the movement and with the complete dial can be removed to the top. The ring is quite strong, so it needs some strength to spread it.



- Once the dial is out, you have to switch on the DIP switch for the 12:00 position on the NBU 190 and connect the PoE.



- A MOBALine connector
- B required space for connector
- C housing clips
- D push-button

- E LED
- F Disc nut for mounting

\*Second shaft only for SEM 100(t)

SAM/SEM 100t  
(...)

SAM/SEM 100

For SAM/SEM 100 movements, press the push button longer than 3s, when MOBALine signal is connected

**V02**

Push	Normal operation	Menu
<1s	-	In minute or second mode menu: Change to next minute/second mode (double-click: change to previous mode)
1s	-	Change to next menu: 12:00 position → Minute mode → Second mode
3s	Switch to 12:00 position	Switch to normal operation
>15s	Movement is reset to factory settings	

- When it stops moving, you can loosen the screw of the hand bushing with an Allen key and remove the minute hand.
- The hour hand can be removed from the side with a large flat screw drive. Carefully remove it.
- In case you have to exchange the movement, loosen the white disc nut and exchange the movement with a new according to the description no. TE-801289 or TE-801290.
- New movement is mounted:  
Now push down again the hour hand at 12:00 position
- Now set the minute hand carefully to 12:00 position, and fix it again with Allen key.
- Now you have to check again the 12:00 position: remove PoE and connect it again.  
When it is ok now, you can mount the dial back to ring. Be carefully that the 12:00 position of the dial is really exactly on top

13. When hands positions are OK at 12:00 position, you can carefully reinsert the dial into the ring. Please align it to the mark you have made at the beginning at the 12:00 position.



14. Push the ring together and fix it so it is completely closed
15. Repeat steps 2 to 12 with the second module
16. Mount both modules back to the housing body
17. Test the clock with the time signal