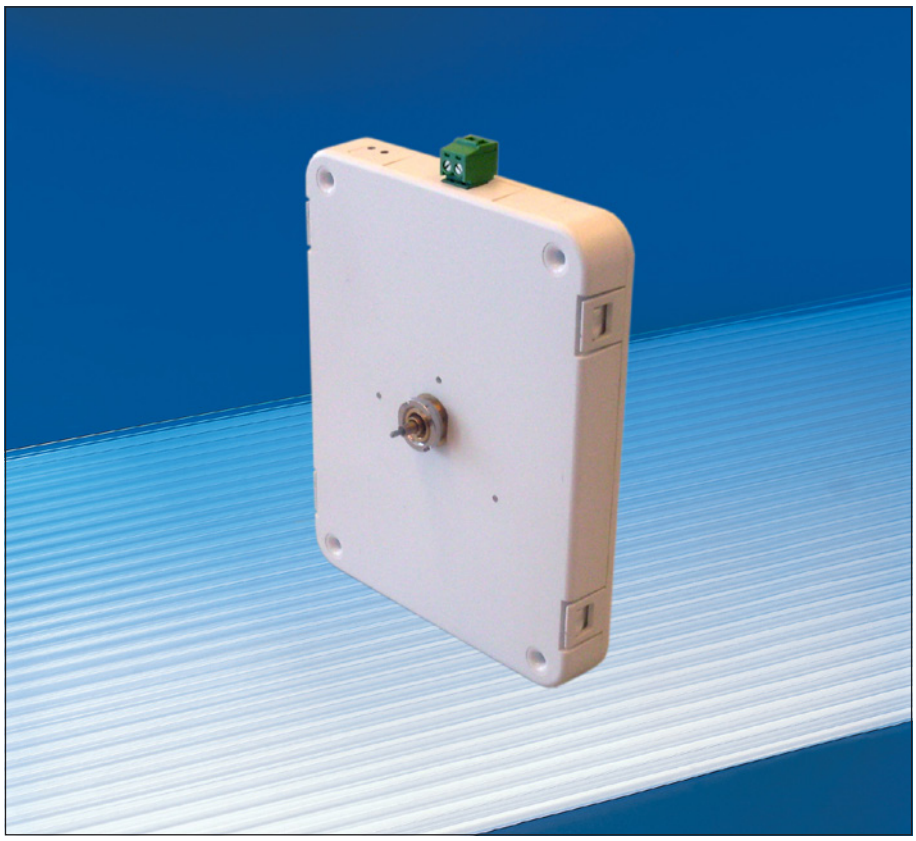


Movements for MOBALine or DCF active synchronization

SAM 40 / SEM 40 V2

Multifunctional and maintenance-free MOBALine or DCF active movements for indoor and outdoor clocks up to ∅ 40 cm.

The SAM 40 movement is available for clocks with hour and minute hands whereas the SEM 40 supports an additional second hand.

Both movements are self-setting and powered via either MOBALine or DCF active.

Different running modes of second and minute hand available (stepwise or continuous).

Synchronization via MOBALine or DCF active from a master clock (e.g. DTS 480x, DTS 4132, ETC or NMI).

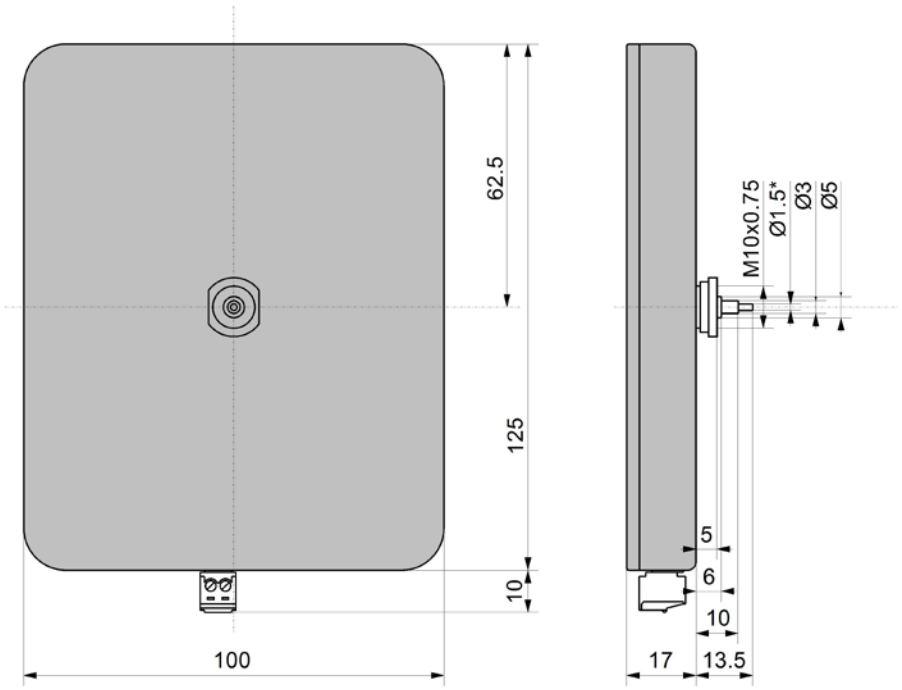
Simple configuration of movements by means of DIP switches.

Automatic daylight saving time change according to the master clock.

The movements support the MOBALine world time function. On the master clock, up to 20 different world time zones with different local time offsets can be configured.

SAM 40 / SEM 40 V2 - Technical details

- Synchronization by a MOBALine or DCF active master clock.
- Signalization of missing synchronization by setting the hands to the 12 o'clock position (MOBALine: after 24 hours, DCF active: after 7 days).
- Different running modes of second and minute hand selectable by means of DIP switches: step-wise or continuous.
- You can choose between 20 different wold time zones by means of DIP switches.



* SEM 40 only

Technical Specification	SAM 40 V2 (Art. no. 129426)	SEM 40 V2 (Art. no. 129425)
Synchronization	MOBALine or DCF active	
Setting time after restart Daylight saving time changes	MOBALine: < 3 minutes 20 seconds DCF active: < 6 minutes with good reception < 15 seconds	
Operation voltage	MOBALine: 10-20 VRMS, 50 Hz DCF active: 15-30VDC	
Current consumption Average in second hand step mode Average in sec. hand continuous mode Max. current	< 4mA @ 17V < 8mA @ 17V	 < 5mA @ 17V < 8mA @ 17V < 10mA @ 17V
World time	Up to 20 world times selectable by means of DIP switches	
Accuracy	Typically < +/-100 ms (synchronized)	
Synchronization loss	Signalization after 24 h (MOBALine) or 7 days (DCF active) by setting the hands to 12 o'clock position; Accuracy typically +/-2 s after 24 h	
Number of motors	1 (h / min.)	2 (h / min. + sec.)
Temperature range	-30 ... +70°C	
Weight	155 g	165 g
Maximum dial diameter	400 mm	
Maximum dial thickness	3 mm	