



secondary clocks

STANDARD

The secondary clocks of the STANDARD series are dependable robust clocks with metal case. This multipurpose clock is designed for indoor use. Numerous sizes, movements and dial versions allow integration in new and existing systems with no problem. STANDARD - the clock that leaves nothing to be desired.

STANDARD secondary clocks

STANDARD clocks are available with 14 different movements.

A: Hour, Minute

Minute pulse movement for operation as a conventional minute pulse secondary clock. Pulse voltage of 12, 24, 48 or 60 V, selectable by DIP switch.

E: Hour, Minute, Seconds

Second pulse movement for operation as a conventional second pulse secondary clock; 24 to 60 V.

EG: Hour, Minute, Seconds

Silent second pulse movement for operation as a second pulse secondary clock, 24 or 48 V, 10 db at 30 cm.

F: Hour, Minute, Seconds

Minute pulse movement and synchronous seconds. Minute pulses of 24, 48 or 60 V, selectable. Synchronous seconds 230 V / 50 Hz or 48 V / 50 Hz.

SAM: Hour, Minute

MOBALine movement for operation as a self-setting secondary clock.

SEM: Hour, Minute, Seconds

MOBALine movement for operation as a self-setting secondary clock. Supplied from **MOBALine**. Up to Ø 30cm.

SFM: Hour, Minute, Seconds

MOBALine movement **MLU 190 S 48** for operation as a self-setting secondary clock. Supplied from **MOBALine**. Ø 30 - 80cm.

FWU: Hour, Minute

Radio clock movement with built-in DCF receiver antenna, for independent battery-powered operation (2 x 1.5 V LR 20 or lithium battery 1 x 3.6 V). Battery not included.

C: Hour, Minute, Seconds

Synchronous movement for 230 V / 50 Hz mains supply.

QU: Hour, Minute

Quartz movement **QU 192** for independent operation. Lithium battery (LIT) not incl. See movements series 192.

SAS: Hour, Minute

Timecode-Movement **BU 190 230** for self-setting slave clocks. Controlled by serial time telegram on RS 232 / RS 422 (standard IF 482 telegram). Supplied by 230 VAC / 50-60 Hz.

STANDARD

Order reference
Example
STA.SAM.25.300.BW

Clock type	Movement	Diameter	Dial type	Option	Technical data										Dial type				Option		
					Minute pulse	Second pulse	Second pulse, silent	Minute pulse with synchron. seconds	MOBALine	Radio clock movement	230 V / 50 Hz mains synchronized	Battery quartz movement	Serial Telegram	Timecode	Dial type 300	Dial type 310	Dial type 315	Dial type 360	Ball-throw resistant option BW	Steam resistant option (IP 55) DD	Shatter proof option PR
STA	A	25	...	..	✓										✓	✓	✓	✓		✓	✓
STA	E	25	...	..		✓									✓	✓	✓	✓		✓	✓
STA	EG	25	...	..			✓								✓	✓	✓	✓		✓	✓
STA	SAM	25	...	..					✓						✓	✓	✓	✓		✓	✓
STA	SEM	25	...	..					✓						✓	✓	✓	✓		✓	✓
STA	FWU	25	...	..						✓					✓	✓	✓	✓		✓	✓
STA	C	25	...	..							✓				✓	✓	✓	✓		✓	✓
STA	SAS	25	...	..								✓			✓	✓	✓	✓		✓	✓
STA	SAT	25	...	..									✓		✓	✓	✓	✓		✓	✓
STA	A	30	...	..	✓										✓	✓	✓	✓		✓	✓
STA	E	30	...	..		✓									✓	✓	✓	✓		✓	✓
STA	EG	30	...	..			✓								✓	✓	✓	✓		✓	✓
STA	F	30	...	..				✓							✓	✓	✓	✓		✓	✓
STA	SAM	30	...	..					✓						✓	✓	✓	✓		✓	✓
STA	SEM	30	...	..					✓						✓	✓	✓	✓		✓	✓
STA	SFM	30	...	..					✓						✓	✓	✓	✓		✓	✓
STA	FWU	30	...	..						✓					✓	✓	✓	✓		✓	✓
STA	C	30	...	..							✓				✓	✓	✓	✓		✓	✓
STA	SAS	30	...	..								✓			✓	✓	✓	✓		✓	✓
STA	SFS	30	...	..									✓		✓	✓	✓	✓		✓	✓
STA	SAT	30	...	..										✓	✓	✓	✓	✓		✓	✓
STA	SFT	30	...	..											✓	✓	✓	✓		✓	✓
STA	A	40	...	..	✓										✓	✓	✓	✓		✓	✓
STA	EG	40	...	..			✓								✓	✓	✓	✓		✓	✓
STA	F	40	...	..				✓							✓	✓	✓	✓		✓	✓
STA	SAM	40	...	..					✓						✓	✓	✓	✓		✓	✓
STA	SFM	40	...	..					✓						✓	✓	✓	✓		✓	✓
STA	FWU	40	...	..						✓					✓	✓	✓	✓		✓	✓
STA	C	40	...	..							✓				✓	✓	✓	✓		✓	✓
STA	SAS	40	...	..								✓			✓	✓	✓	✓		✓	✓
STA	SFS	40	...	..									✓		✓	✓	✓	✓		✓	✓
STA	SAT	40	...	..										✓	✓	✓	✓	✓		✓	✓
STA	SFT	40	...	..											✓	✓	✓	✓		✓	✓
STA	A	50	...	..	✓										✓	✓	✓	✓		✓	✓
STA	SAM	50	...	..					✓						✓	✓	✓	✓		✓	✓
STA	FWU	50	...	..						✓					✓	✓	✓	✓		✓	✓
STA	QU	50	...	..							✓				✓	✓	✓	✓		✓	✓
STA	SAS	50	...	..								✓			✓	✓	✓	✓		✓	✓
STA	SAT	50	...	..									✓		✓	✓	✓	✓		✓	✓

STANDARD secondary clocks

STANDARD					Technical data							Dial type				Option					
Order reference	Movement	Diameter	Dial type	Option	Minute pulse	Second pulse	Second pulse, silent	Minute pulse with synch. seconds	MOBALine	Radio clock movement	230 V / 50 Hz mains synchronized	Battery quartz movement	Serial Telegram	Timecode	Dial type 300	Dial type 310	Dial type 315	Dial type 360	Ball-throw resistant option BW	Steam resistant option (IP 55) DD	Shatter proof option PR
Example STA.SAM.25.300.BW																					
STA	A	60	...	..	✓										✓	✓	✓	✓	
STA	SAM	60	...	..					✓						✓	✓	✓	✓	
STA	SFM	60	...	..											✓	✓	✓	✓	
STA	FWU	60	...	..						✓					✓	✓	✓	✓	
STA	QU	60	...	..								✓			✓	✓	✓	✓	
STA	SAS	60	...	..									✓		✓	✓	✓	✓	
STA	SAT	60	...	..							✓				✓	✓	✓	✓	
STA	A	80	...	..	✓										✓	✓	✓	✓	
STA	SAM	80	...	..					✓						✓	✓	✓	✓	
STA	SFM	80	...	..											✓	✓	✓	✓	
STA	FWU	80	...	..						✓					✓	✓	✓	✓	
STA	QU	80	...	..								✓			✓	✓	✓	✓	
STA	SAS	80	...	..									✓		✓	✓	✓	✓	
STA	SAT	80	...	..						✓					✓	✓	✓	✓	

Accessories (not for BW and DD options)

Order reference	Description	Order reference	Description
STA.30.WS	Wall kit, clock Ø 30 cm, 15 cm arm	STA.30.DS	Ceiling kit, clock Ø 30 cm 30 cm suspension
STA.40.WS	Wall kit, clock Ø 40 cm, 20 cm arm	STA.40.DS	Ceiling kit, clock Ø 40 cm 40 cm suspension
		STA.50.DS	Ceiling kit, clock Ø 50 cm 50 cm suspension
		STA.60.DS	Ceiling kit, clock Ø 60 cm 60 cm suspension
		STA.80.DS	Ceiling kit, clock Ø 80 cm 80 cm suspension

As options, STANDARD clocks can be supplied in a ball-throw resistant version BW (DIN 18032, part 3) (suitable for areas where ball games may be played) or in a steam resistant version DD with sealed back, or in a shatter proof version PR (Ø 25 - 40cm) e.g. for food industry.

The standard colour of the case is white (RAL 9002). Other colours at extra cost.

SFS: Hour, Minute, Seconds

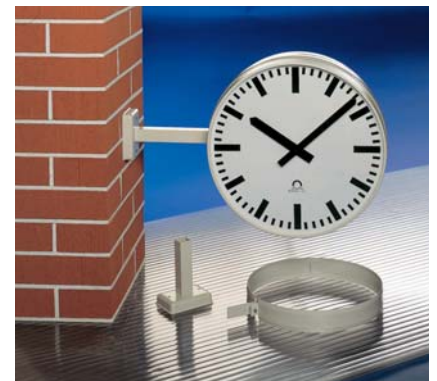
Timecode-Movement **BU 190 S 230** for self-setting slave clocks. Control by serial time telegram on RS 232 / RS 422 (standard IF 482 telegram). Supplied by 230 VAC / 50-60 Hz.

SAT: Hour, Minute

Audio frequency-Movement for self-setting slave clocks. Controlled by audio frequency time code (IRIG-B, AFNOR or DCF-FSK). Supplied by 230 VAC / 50-60 Hz.

SFT: Hour, Minute, Seconds

Audio frequency-Movement for self-setting slave clocks. Controlled by audio frequency time code (IRIG-B, AFNOR or DCF-FSK). Supplied by 230 VAC / 50-60 Hz.



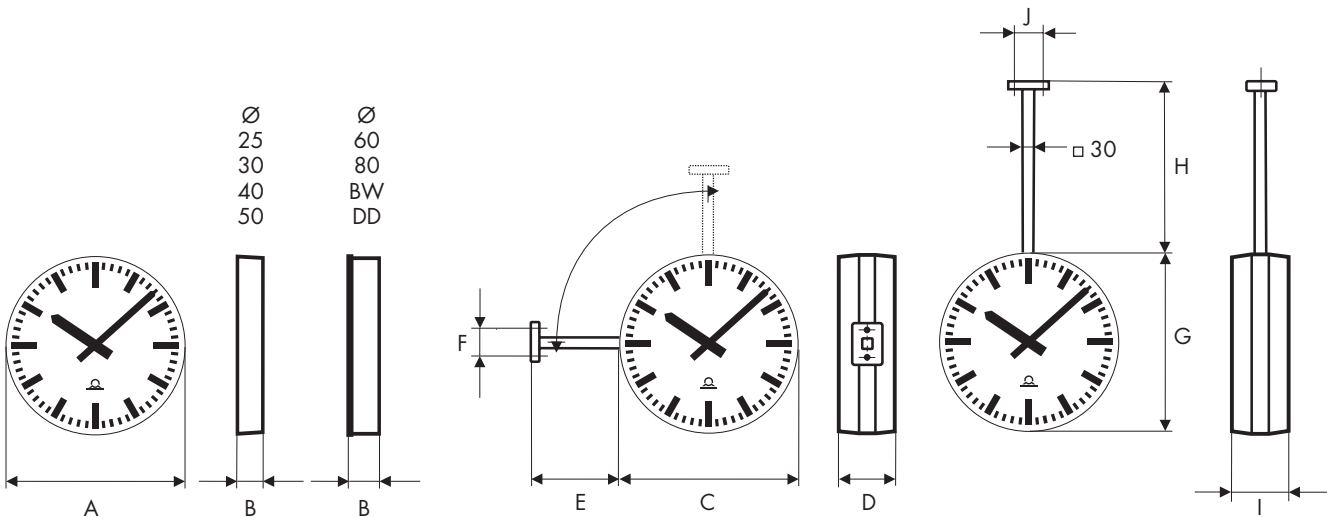
As an accessory, a wall kit or a ceiling kit may be supplied.

With the wall kit (Ø 30 - 40 cm), two STANDARD clocks can be assembled as a double-sided clock. This can be fastened to the wall by means of the arm fitting.

With the ceiling kit, two STANDARD clocks can be assembled as a double-sided clock. This can be fastened to the ceiling by means of the suspension fitting.

STANDARD secondary clocks

STANDARD dimensions

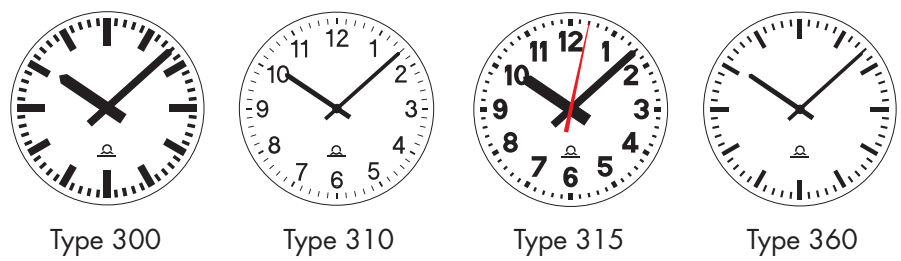


STANDARD			
Ø	A	B	wight
cm	mm	mm	kg
25	267	50	0.8
30	318	62	1.0
40	418	62	1.7
50	520	74	3.2
60	680	92	6.5
80	895	108	14

C	D	E	F	wight
mm	mm	mm	mm	kg
322	140	150	80	2.8
422	140	200	80	4.3

G	H	I	J	wight
mm	mm	mm	mm	kg
322	300	140	80	2.9
422	400	140	80	4.5
524	500	164	80	8.5
687	600	184	125	15
900	800	216	125	31

STANDARD BW			
Ø	A	B	wight
cm	mm	mm	kg
30	350	84	2.5
40	462	86	4.2
50	564	92	7
60	680	92	11
80	895	108	22



STANDARD DD			
Ø	A	B	wight
cm	mm	mm	kg
25	296	84	1.8
30	350	84	2.5
40	462	86	4.2
50	564	92	7

For the diameter 25, 30, 40, 50, 60 or 80 cm up to 4 different dial types are available.