

ANALOGUE OUTDOOR CLOCK

PROFILE

The Profile is our premium analogue outdoor clock. It features an elegant, modular housing concept featuring a weather-resistant aluminum profile, a high-quality finish and an easy-to-install, maintenance-friendly design.



7 STEPS TO YOUR PROFILINE

To make sure your Profiline meets all your requirements, you can assemble the components individually. Naturally, our experts will be happy to help.

1. *Are you looking for an illuminated clock?*

ILLUMINATION

The Profiline is available with or without illumination:

CODE	ILLUMINATION
PL0	none
PL2	LED

2. *How big does your clock need to be?*

SIZE

The Profiline is available in three dial diameters. The reading distance varies depending on the dial, lighting, viewing angle, etc. These are the options:

Ø	READING DISTANCE
50 cm	55-60m
60 cm	65-70m
80 cm	85-90m

3. *What shape would you like?*

SHAPE

The Profiline is available in single-sided and double-sided versions:

CODE	SHAPE
R1	round, single-sided
R2	round, double-sided



4.

The Profine analog clock offers a variety of time code variants. Pick yours:

TIME CODE

Code	Time code	Ø	Power supply	Hands	Movement	Max. power consumption	Accuracy (synchronized)	Loss of signal
MOBALINE SELF-SETTING: MXX								
M16	MOBALine	50–80	MOBALine	h/m	SAM 100t	< 20mA @ >17VAC (0.34W)	<+/- 100ms	MOBALine: 12:00 position after 24 hours
M18	MOBALine	50–80	MOBALine	h/m/s	SEM 100t	< 30mA @ >17VAC (0.51W)	<+/- 100ms	DCF active: 12:00 position after 7 days
NTP (LAN) SELF-SETTING (WITH UNICAST AND MULTICAST): NXX								
N11	NTP	50–80	PoE	h/m	NBU 190t PoE	PoEclass 2: <1.6W³ / <3.2W⁴	<+/- 50ms	12:00 position after 24 hours
N13	NTP	50–80	PoE	h/m/s	NBU 190t S PoE			
N01	NTP	50–80	230V (24VDC)	h/m	NBU 190t 24 + PS24	< 60mA @ 24VDC (<1.44W)	<+/- 50ms	12:00 position after 24 hours
N03	NTP	50–80	230V (24VDC)	h/m/s	NBU 190t S 24 + PS24			
POLARIZED IMPULSES: IXX								
I02	Min. impulse	50–80	12–60V impulse	h/m	NU 90t	-6mA @ 24VDC (0.14W)	-	Standstill
I06	Min. impulse	50–80	12–60V impulse	h/m/s	NU 90t SYN	6mA @ 24VDC (0.14W) 10mA @ 230VAC (<2W)	-	Standstill
I21	Min. impulse	50–80	12–60V impulse 45–265VAC	h/m/s	IBU 190t S	30mA @ 230VAC (<6.9W)	-	Standstill
SERIAL: SXX								
S01	Serial	50–80	230V	h/m	SU 190t 230	50mA @ 24VDC (<1.2W)	<+/- 100ms	12:00 position after 24 hours
S03	Serial	50–80	230V	h/m/s	SU 190t S 230	12mA @ 230VAC (<3W)		
IRIG/AFNOR: TXX								
T51	IRIG/AFNOR	50–80	230V	h/m	ATBU 190t 230	10mA @ 230VAC (<2.3W)	<+/- 100ms	12:00 position after 24 hours
T53	IRIG/AFNOR	50–80	230V	h/m/s	ITBU 190t S 230			
GPS / DCF 77 / MSF / WTD WIRELESS TIME DISTRIBUTION: RXX								
R01	DCF / MSF²	50–80	230V	h/m	BU 190t 230	230VAC (<3W)	<+/- 100ms	12:00 position after 7 days
R04	DCF / MSF²	50–80	230V	h/m/s	BU 190t S 230			
R26	DCF 77¹	50–80	Lithium battery	h/m	FU 192t	-	<+/- 100ms	12:00 position after 7 days
R29	DCF 77¹,⁵	50–80	Lithium battery	h/m	FU 192t + BU 192t + CC	-	<+/- 100ms	12:00 position after 7 days
R30	DCF 77¹	50–80	Lithium battery	h/m	BU 192t + AD 192.5	-	<+/- 100ms	12:00 position after 7 days
R31	DCF 77¹,⁵	50–80	Lithium battery	h/m	2x BU 192t + AD 192.5 + CC	-	<+/- 100ms	12:00 position after 7 days
R51	GPS⁶	50–80	Lithium battery	h/m	GU 192t V2	-	<+/- 200ms	12:00 position after 53 days
R54	GPS⁵,⁶	50–80	Lithium battery	h/m	GU 192t V2 + BU 192t + CC	-	<+/- 200ms	12:00 position after 53 days
R80	WTD¹	40–80	Lithium battery	h/m	BU 192t + RU	-	<+/- 100ms	12:00 position after 7 days
R88	WTD¹	50–80	230V (24VDC)	h/m	SAM 100t + RM + PS24	230VAC (<18W)	<+/- 200ms	12:00 position after 24 hours
R90	WTD¹	50–80	230V (24VDC)	h/m/s	SEM 100t + RM + PS24			
QUARTZ: QXX								
Q02	Quartz	50–80	Lithium battery	h/m	QU 192t	-	<+/- 4min/y⁷	-
Q03	Quartz⁵	50–80	Lithium battery	h/m	QU 192t + BU192t + CC	-	<+/- 4min/y⁷	-
CLOCK CONTROLLER (WITH ILLUMINATION CONTROL): CXX								
C01	MOBALine	50–80	230 VAC	h/m	SAM 100t + DCC	0.55A @ >230VAC (<20W)	<+/- 100ms	MOBALine: 12:00 position after 24 hours
C03	MOBALine	50–80	230 VAC	h/m/s	SEM 100t + DCC		<+/- 100ms	
C09	NTP	50–80	230 VAC/PoE	h/m	SAM 100t + NCC	0.55A @ >230VAC (<20W) PoE, class 4, <22W	<+/- 100ms	DCF active: 12:00 position after 7 days
C11	NTP	50–80	230 VAC/PoE	h/m/s	SEM 100t + NCC		<+/- 100ms	

¹ internal antenna and receiver (only for clocks without illumination) ² without antenna, external antenna required ³ single-sided clock
⁴ cascaded double-sided clock ⁵ for double-sided clocks, cascading cable included ⁶ mini magnetic antenna and receiver ⁷ without synchronization

For special clockwork/time code variants, see document TE-800800 at www.mobatime.com in the Customers section

5.

Choose your dial:

DIAL



dial 120



dial 300



dial 315

6.

Which type of glass is the right one?

GLASS TYPE

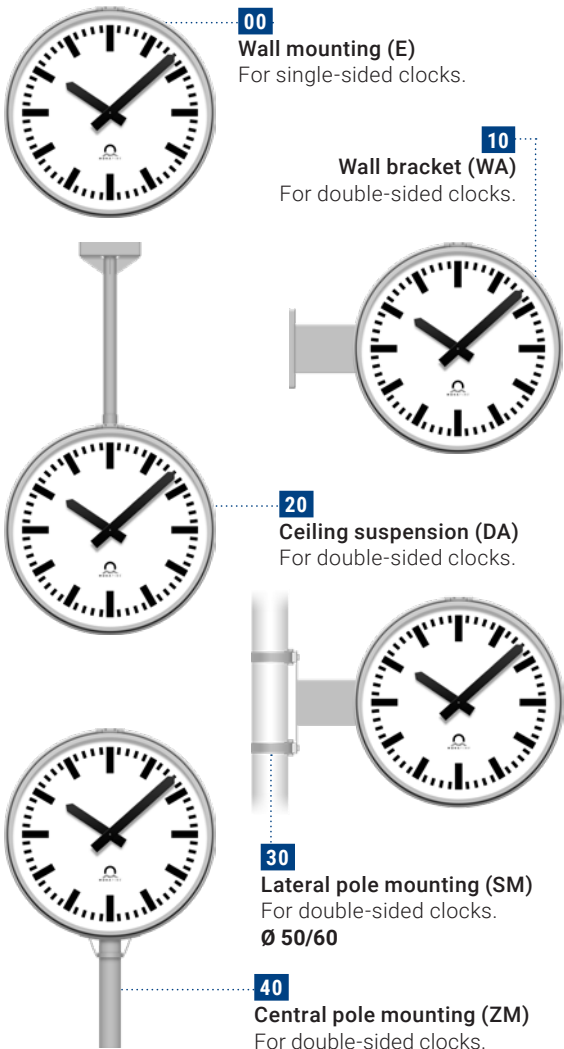
Depending on the intended use, two glass options are available.

Mineral glass (code 1)
Ball-throw resistant (code 2)

7.

Choose your installation:

INSTALLATION



YOUR PROFILINE IS COMPLETE

You can now order your Profiline and calculate the corresponding code. Enter the abbreviation for each component of your choice in the bright field and find your Profiline code. It serves as the order code or as the foundation for further steps.

1. Illumination	Code	
2. Size	Ø cm	
3. Shape	Code	
4. Time code	Code	
5. Dial	Code	
6. Glass type	Code	
7. Installation	Code	
Sequence number	Code	0000

Example order code



1.	2.	3.	4.	5.	6.	7.
PL0	60	R1	M16	300	1	00 0000
Profiline no illumination	Ø 60cm	round, single-sided	movement SAM 100t	dial 300	mineral glass	wall suspension sequence number ¹

¹ The sequence number denotes special versions (e.g. clocks with a special dial). When ordering, please indicate the sequence number with 0000 (standard version); we will adapt this for any special version. Special versions can be reordered at any time stating the sequence number.

General properties

The following properties apply to all Profiline clocks:

Housing	Aluminium, anodized
---------	---------------------

STANDARDS

Depending on the movement used in your Profiline clock, the following standards apply:

MOVEMENT(S)	STANDARDS
SAM 100t SEM 100t	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-2 / EN 61000-6-3
NBU 190t PoE NBU 190t S PoE NBU 190t 24 NBU 190t S 24	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-2 / EN 61000-6-4
NU 90t NU 90t SYN	2011/65/EU / 2014/30/EU / EN 61000-6-2 / EN 61000-6-3
IBU 190t S	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-3
SU 190t 230 SU 190t S 230	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-1 / EN 61000-6-3
ATBU 190t 230 ITBU 190t S 230	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-2 / EN 61000-6-3 / IPPS
BU 192t FU 192t QU 192t	2011/65/EU / 2014/30/EU / EN 61000-6-2 / EN 61000-6-3
BU 190t 230 BU 190t S 230	2011/65/EU / 2014/30/EU / 2014/35/EU / 2016/797/EU / EN 50121-4 / EN 60950-1 / EN 61000-6-1 / EN 61000-6-3
GU 192t V2	2011/65/EU / 2014/30/EU / 2016/797/EU / EN 50121-4 / EN 61000-6-2 / EN 61000-6-3

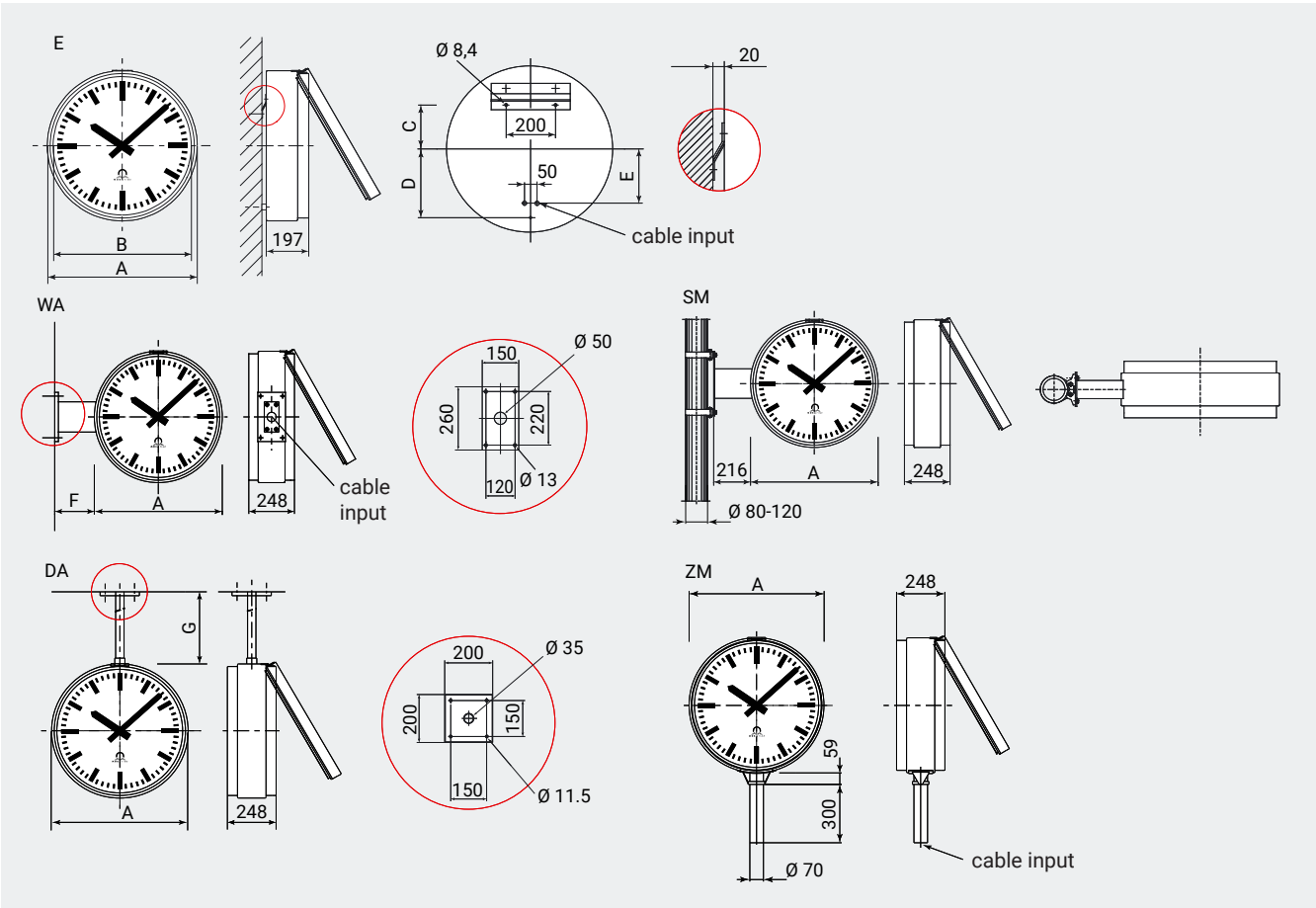
All Profiline clocks are compliant with CE, RoHS and REACH.

TECHNICAL DATA

TECHNICAL DATA	PROFILINE
Operating conditions	-30 to +70 °C (0 to 95% relative humidity, non-condensing)
Degree of protection	IP 54

	E						WA		DA		SM	ZM
Ø	A	B	C	D	E	Weight	F	Weight	G	Weight	Weight	Weight
50	581	526	102	220	170	16	210	27	500	27	28	28
60	694	639	152	280	220	23	210	38	600	38	39	39
80	902	847	202	380	270	37	315	52	800	63	-	64

All dimensions in mm and weights in kg.



Do you have any questions?
We are happy to help.

Product specifications are subject to change without notice.

Moser-Baer AG | Spitalstrasse 7 | CH-3454 Sumiswald
Tel. +41 34 432 46 46 | Fax +41 34 432 46 99
info@mobatime.com | www.mobatime.com

