

## ANALOGUE INDOOR CLOCK

# MODERNA

*Our Moderna series of analogue clocks is well named. These clocks are characterized by their modern design with an attractively styled transparent cover enclosing the case. They are offered with both round and square housings.*



# 4 STEPS TO YOUR MODERNA

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

## 1. How big does your Moderna need to be?

### SIZE

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

Ø	READING DISTANCE
30 cm	25-30m
40 cm	35-45m



## 2.

## What shape would you like?

### SHAPE

The Moderna is available in a round or square design. For a double-sided Moderna clock, you can order two identical Moderna models and the corresponding installation set (see page 4).

CODE	SHAPE
R1	round
Q1	square

## 3. Pick your time code variant:

### TIME CODE

Code	Time code	Ø	Power supply	Hands	Movement	Max. power consumption	Accuracy (synchronized)	Loss of signal
MOBALINE SELF-SETTING: MXX								
M00	MOBALine	25-40	MOBALine	h/m	SAM 40	< 6mA @ 17VAC (0.1W)	<+/- 100ms	12:00 position after 24 hours
M21	MOBALine	25-40	MOBALine	h/m/s	SEM 40			
NTP (LAN) SELF-SETTING: NXX								
N20	NTP	25-40	PoE	h/m	SAN 40	PoEclass 1: <1.9W <sup>1</sup> / <3.8W <sup>2</sup>	<+/- 50ms	12:00 position after 24 hours
N21	NTP	25-40	PoE	h/m/s	SEN 40			
POLARIZED PULSES: IXX								
I00	Min.-Impuls	25-40	12-60V	h/m	NU 90k	-	-	Standstill
I03	Min.-Impuls	25-40	24V	h/m	NU 91k	-	-	Standstill
I30	Sec. pulse	25-40	24-60V	h/m/s	SEI 40	-	-	Standstill
QUARTZ: QXX (WITH UNICAST AND MULTICAST)								
Q21	Quartz	25-40	AA battery	h/m/s	DQt	-	<+/- 5min/y³	-

<sup>1</sup> single-sided clock   <sup>2</sup> cascaded double-sided clock   <sup>3</sup> without synchronization

## 4.

*Which dial design do you like?***DIAL**

The Moderna offers the following standard designs.  
For logo prints, please contact our customer service.



dial 310



dial 360

**YOUR MODERNA IS COMPLETE**

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

**My Moderna clock** MO0.

**1. Size** Ø cm

**2. Shape** Code

**3. Time code** Code

**4. Dial** Code

**Glass type** Code

**Housing type** Code

**Sequence number** Code

*General properties*

The following properties apply to all Moderna clocks:

<b>Cover glass</b>	Acrylic glass
<b>Housing</b>	Steel (RAL 9010)

*Standards*

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

MOVEMENT(S)	STANDARDS
SAM 40 SEM 40 SAN 40 SEN 40	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
SEI 40	2011/65/EU / 2014/30/EU / 2014/35/EU / EN 61000-6-2 EN 61000-6-3
DQt	2011/65/EU / 2014/30/EU / EN 55024 / EN 55032
NU 90k NU 91k	2011/65/EU / 2014/30/EU / EN 61000-6-2 EN 61000-6-3

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

*Example order code*

	1.	2.	3.	4.
	MO	0.	30.	R1.
Moderna			M21.	360.
no illumination <sup>1</sup>			0.	00.
Ø 30cm				0000
round, single-sided				
movement SEM 40				
dial 360				
acrylic glass <sup>1</sup>				
standard housing <sup>1</sup>				
sequence number <sup>2</sup>				

<sup>1</sup> standard, cannot be changed

<sup>2</sup> 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.

# INSTALLATION VARIANTS



## MOD.Ø.WS

### Wall set

Snap-on installation. Foamed plastic ring and metal bracket.



## MOD.Ø.DS

### Ceiling set

Snap-on installation. Foamed plastic ring and metal bracket.



## MODR.Ø.WS

### Wall set, round

Snap-on installation. Foamed plastic ring and metal bracket.



## MODR.Ø.DS

### Ceiling set, round

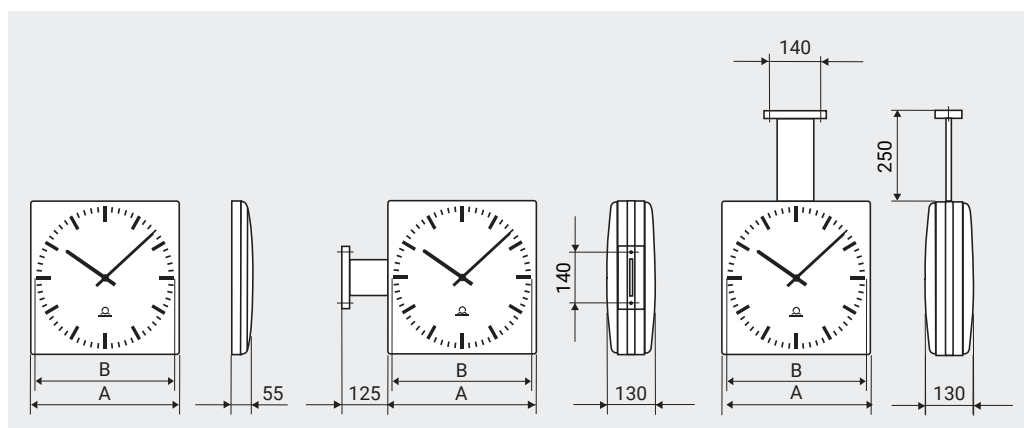
Snap-on installation. Foamed plastic ring and metal bracket.

# TECHNICAL DATA

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

	ROUND		SQUARE	
Ø	A	B	A	B
30	315	306.5	308	297
40	415	406	412	399.5

Weights on request. All dimensions in mm.



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

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Product specifications are subject to change without notice.