

DIGITAL INDOOR CLOCK

TZI

The TZI world time clock offers the perfect solution for banks, airports, transportation terminals, hotels and businesses that communicate at the international level. Accurate and synchronized timekeeping facilitates the management of people and projects across global zones.



6 STEPS TO YOUR TZI

To make sure your digital clock meets all your requirements, you can assemble the components individually. Our experts will be happy to help you if you have questions.

1. Define your format, display type and digit height

FORMAT

The TZI is available in several versions. The reading distance varies depending on the color, lighting, viewing angle, etc. The following models are available:

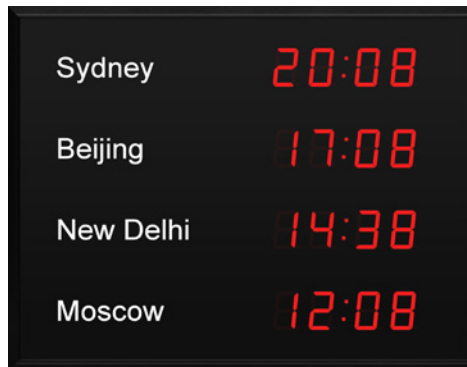
TZI horizontal

Digit height	Displays	10:08	10:08 25
57 mm	2	TZI.57.4/2.H	TZI.57.6/2.H
57 mm	3	TZI.57.4/3.H	TZI.57.6/3.H
57 mm	4	TZI.57.4/4.H	TZI.57.6/4.H
57 mm	5	TZI.57.4/5.H	TZI.57.6/5.H
57 mm	6	TZI.57.4/6.H	-
57 mm	7	TZI.57.4/7.H	-
100 mm	2	TZI.100.4/2.H	-
100 mm	3	TZI.100.4/3.H	-



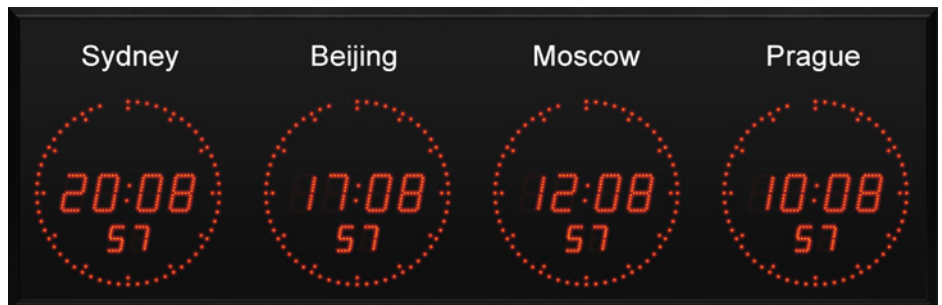
TZI vertical

Digit height	Displays	10:08	10:08 25
57 mm	2	TZI.57.4/2.V	TZI.57.6/2.V
57 mm	3	TZI.57.4/3.V	TZI.57.6/3.V
57 mm	4	TZI.57.4/4.V	TZI.57.6/4.V
57 mm	5	TZI.57.4/5.V	TZI.57.6/5.V
57 mm	6	TZI.57.4/6.V	TZI.57.6/6.V
57 mm	7	TZI.57.4/7.V	TZI.57.6/7.V
57 mm	8	TZI.57.4/8.V	TZI.57.6/8.V
100 mm	2	TZI.100.4/2.V	-
100 mm	3	TZI.100.4/3.V	-
100 mm	4	TZI.100.4/4.V	-
100 mm	5	TZI.100.4/5.V	-
100 mm	6	TZI.100.4/6.V	-



TZI.C horizontal

Digit height	Displays	Code
45 mm	2	TZI.C.45.6/2.H
45 mm	3	TZI.C.45.6/3.H
45 mm	4	TZI.C.45.6/4.H
45 mm	5	TZI.C.45.6/5.H
45 mm	6	TZI.C.45.6/6.H
45 mm	7	TZI.C.45.6/7.H
57 mm	2	TZI.C.57.6/2.H
57 mm	3	TZI.C.57.6/3.H
57 mm	4	TZI.C.57.6/4.H
57 mm	5	TZI.C.57.6/5.H



Digit height	Reading distance
45 mm	18–25 m
57 mm	25–30 m
100 mm	40–60 m

2. Choose your display color

DISPLAY COLOR

The display background is black, offering optimal display contrast with a viewing angle of 160 degrees. The digit color is selectable. The available variants:



3. Which installation solution?

INSTALLATION SOLUTION

The following installation types are available:

CODE	INSTALLATION
N.N	Wall mounting single-sided
N.S	Ceiling suspension single-sided
N.X	Customer-specific installation

4. Which time code works?

SYNCHRONIZATION

The following types of synchronization are available:

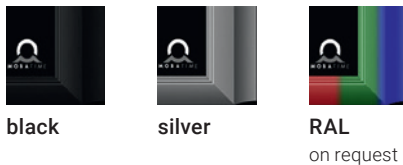
CODE	SYNCHRONIZATION	POWER SUPPLY
STD	Autonomous / MOBALine / (un)polarized 24 VDC pulses	Mains
SI	Like STD, with RS-232, RS-485 and IRIG-B interface	Mains
NTP	NTP	Mains
WiFi	WiFi (2.4 GHz), NTP	Mains
WiFi5	WiFi (2.4/5.0 GHz), NTP	Mains
GPS	Integrated GPS receiver with external magnetic antenna ¹	Mains

¹ not available for TZI.C

5. Which housing color?

HOUSING COLOR

The aluminum housing is usually ordered in black or silver anodized. It is available in any RAL color on request.



black

silver

RAL

on request

6. Additional options

OPTIONS

CODE	OPTION
VDC	Power supply via 18–56 VDC
LN8	Digital location display, up to 8 characters ¹
LN16	Digital location display, up to 16 characters ¹
DAT	Additional date display ²
ANT	Magnetic GPS antenna, cable 5m (included for GPS version)

¹ not available for TZI.C

² in first position (left/top), decreases the maximum number of time zones by 1

YOUR TZI CLOCK IS COMPLETE

You can now order your TZI and calculate the corresponding code. Enter the abbreviation for each component of your choice in the bright field and find your product code. It can be used immediately as an order code.

- 1. *Format* Code
- 2. *Display color* Code
- 3. *Installation solution* Code
- 4. *Synchronization* Code
- 5. *Housing color* Code
- 6. *Option* Code

Example order code



1.	2.	3.	4.	5.	6.
TZI.57.4/3.V.	R.	N.N.	STD.	black.	LN8
TZI	digit height 57mm	HH:MM	three displays vertical	red displays	wall mounting, single-sided
				standard version	black housing
					digital location display, up to 8 characters

TECHNICAL DATA

TZI	57.4			57.6			100.4			C.45	C.57	
	Print	LN8	LN16	Print	LN8	LN16	Print	LN8	LN16			
Digit height (mm)	57			57/38			100			45/32	57/38	
Display features	Time display in 12-hour or 24-hour format Alternating display of time, date, temperature ¹ (in C° or F°), air pressure ¹ and humidity ¹ Automatic or manual display brightness adjustment											
Material	Housing: aluminum Cover glass: anti-reflective plexiglass											
Power supply	Standard: 100 – 240 VAC, 50 – 60 Hz VDC (on request): 18 – 56 VDC (18 – 40 VAC)											
Power consumption (VA)	7			8			8			6	6	
Quartz accuracy at 20 °C	± 0.1 seconds/day without synchronization (after 24 hours of synchronization at constant temperature)											
RTC backup/quartz-based time maintenance	from lithium battery: > 2 years (without power supply) / > 15 years (with power supply)											
Operating conditions	-5 to +55 °C (0 to 95% relative humidity, non-condensing)											
Degree of protection	IP 40											
Standards	2002/96/EC / 2011/65/EU / 2014/30/EU / 2014/35/EU / EN 50121-4 / EN 55022 / EN 55024 / EN 60950-1											
Weight (kg)	2.V	5.5	6	7.6	6	7	8.3	10.1	10.9	14.3	-	-
	3.V	7	8	10	8	9	11	13.6	14.8	19.5	-	-
	4.V	8.5	9.5	12.5	10	11	13.7	17.1	18.8	24.7	-	-
	5.V	10.5	11.5	15	12	13.5	16.4	20.6	22.7	30	-	-
	6.V	12	13.5	17.5	14	15.5	19.1	22.5	26.6	35	-	-
	7.V	14	15.5	20	16	17.5	21.8	-	-	-	-	-
	8.V	15.5	17.5	22.5	18	20	24.5	-	-	-	-	-
	2.H	4.5	5	7	5.5	6	7.1	9.7	10.6	13.8	5.7	7
	3.H	6	7	9.8	7.5	8.5	10	13.5	14.6	-	8	10
	4.H	8	8.5	12.7	9.5	10.5	13	-	-	-	10.3	13.2
Width (mm)	5.H	9.5	10.5	-	12	13	-	-	-	-	12.7	16.3
	6.H	11	12.5	-	-	-	-	-	-	-	15	-
	7.H	14	15.5	-	-	-	-	-	-	-	17.3	-
	x.V	700		900	800		1000	1000		1350	-	-
	2.H	700		1020	900		1020	1200		1600	570	700
	3.H	1010		1500	1300		1500	1700		-	840	1040
	4.H	1330		1920	1700		1980	-		-	1110	1380
Height (mm)	5.H	1640		-	2100		-	-		-	1380	1720
	6.H	1960		-	-		-	-		-	1650	-
	7.H	2275		-	-		-	-		-	1920	-
	2.V	300			300			390			-	-
	3.V	420			420			550			-	-
	4.V	540			540			710			-	-
	5.V	660			660			870			-	-
	6.V	780			780			1030			-	-
7.V	900			900			-			-	-	
8.V	1020			1020			-			-	-	
x.H	220			220			300			400	450	
Depth (mm)	39											

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*Have questions?
We are happy to help.*

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