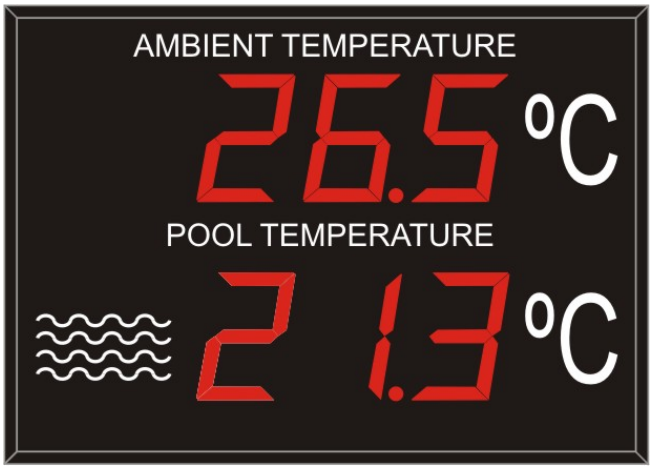
DTTP

Features

- Digital indoor and water pool temperature indicator in a single device.
- High brightness characters
- Include indoor and water temperature sensor.
- You can receive/transmit data via communication bus (optional): Modbus RTU RS485
- Degree of protection IP41 or IP65
- Time programming on and off, with automatic summer-winter time change.
- Configurable sampling times.
- Configurable relay alarms



Aplications

- Exterior and indoor swimming pools

Description

The DTTP is a segments displays digital indicator that shows the indoor temperature and the water temperature of the pool, captured through analog inputs or through sensors or transmitted through communication buses.

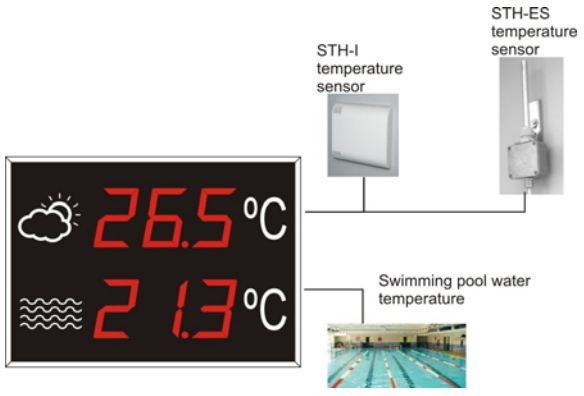
There is an IP64 model for outdoor environments with a built-in temperature sensor in the device itself.

It has high brightness segment displays, which allows you to display bright characters with a wide viewing angle. You can also set the on-off time of the display automatically and sampling intervals.

Models

There are different models of the DTTP indicator that fit each of the installation needs:

DTTP-I has two external sensors to facilitate readings of indoor and pool water temperature (indoor and water conduit temp included with 5m cable). Includes power cable.



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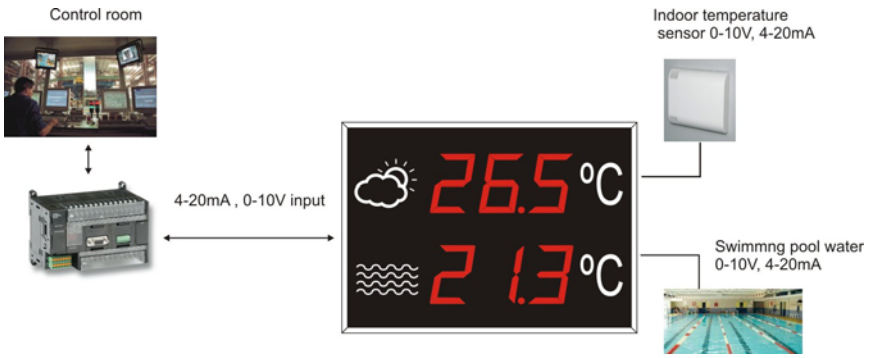
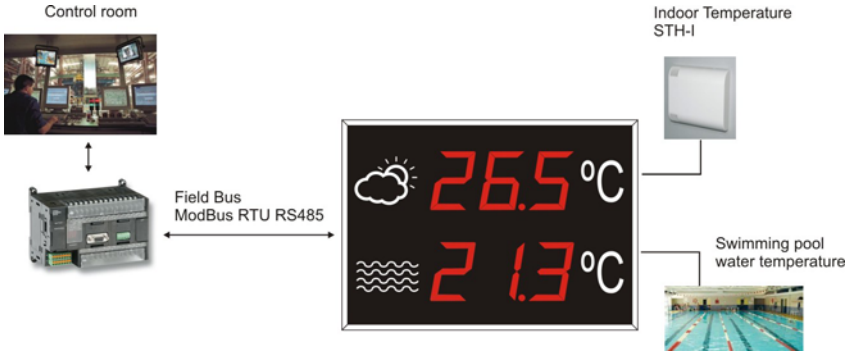
DTTP-C has two external sensors to facilitate readings of indoor and pool water temperature (indoor and water conduit temp included with 5m cable) and can transmit temperature information via a Modbus RTU RS485 communications bus or receive data to write on the screen . Includes power cable.



DTTP-EA allows to connect two external analog inputs for indoor and pool water temperature. Includes power cable.



Technical specifications		
Parameters		
Power supply		240 -110Vac , 50/60 Hz with 1A fuse
Temperature measure		**DTTP-I / -C /-EA**
	Range	-20ºC to 50º
	Precision	+/- 0.5ºC
	Resolution	0.1ºC
	Nº inputs	2
	Input 1	NTC temperature sensor with STH-I o STH-ES (I,C), configurable analog input 0-10V,2-10V,0-5V,4-20mA (EA). (IP option device has embedded temperature sensor)
	Input 2	NTC conduit water temperature sensor (I,C)(**option M8, ½" or sheath with 2m. cable),** configurable analog input 0-10V,2-10V,0-5V,4-20mA (EA)
Segments display		
	Vision angle	180 º
	Luminous	> 35 mcd per segment
	Character dimensions	101 x 60 mm
Comunication bus	**DTH-C**	ModBus RTU RS485 (Half Duplex)
	Slave	Configurable 0 to 63
	Speed	Configurable 300 ,600,1200,2400,4800,9600 and 19200 bauds
	Parity	Configurable N,P,I
	Funcions	From 1 to 17
Outputs		**Option R**
	Output type	NO Relay, Contact 2A 250V
	Nº Outputs	2 outputs, one for each NTC input
	Alarms thresholds	Configurables in menu
Housing material		Black painted Iron sheet
Working temperature		-10ºC - 40ºC
Working humidity		10% to 80% HR without condensation
Storage temperature		- 20ºC, +45 ºC
Storage humidity		5% to 95% HR without condensation
Protection degree		IP41
Soporte		Tethering wall via screws
Programmable on-off time		Via pushbutton
Sample time		Via pushbutton

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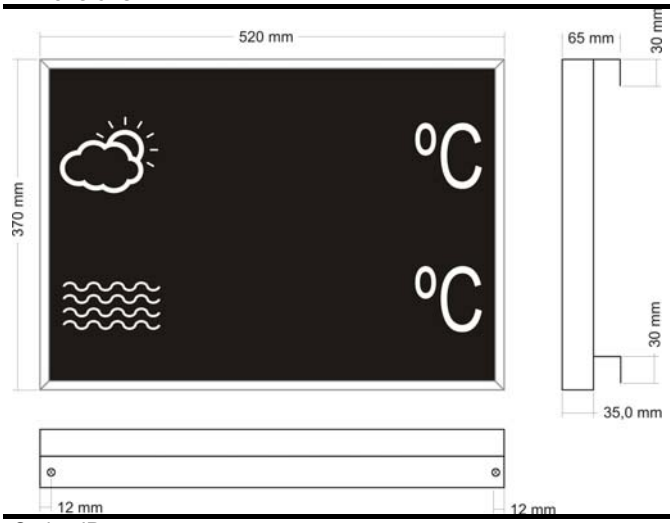
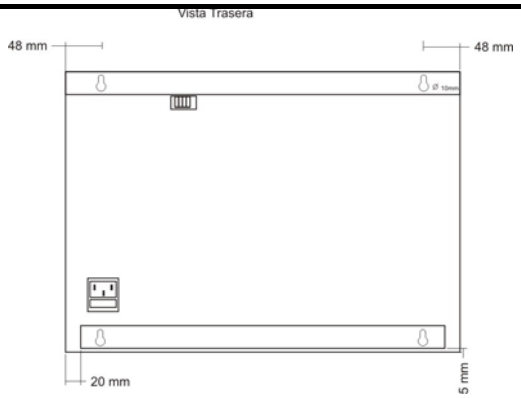
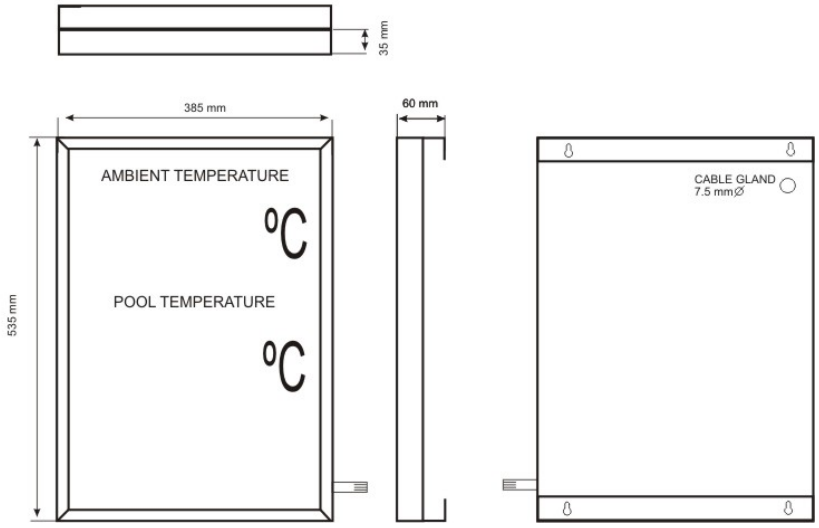
Dimensions

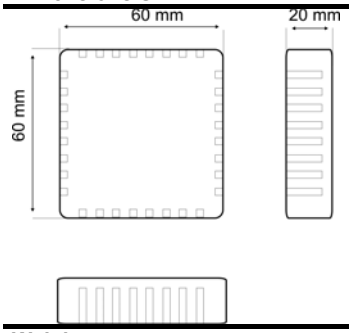




Option IP



Dimensions STH-I



Weight

5.0 Kg

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