

LARTET

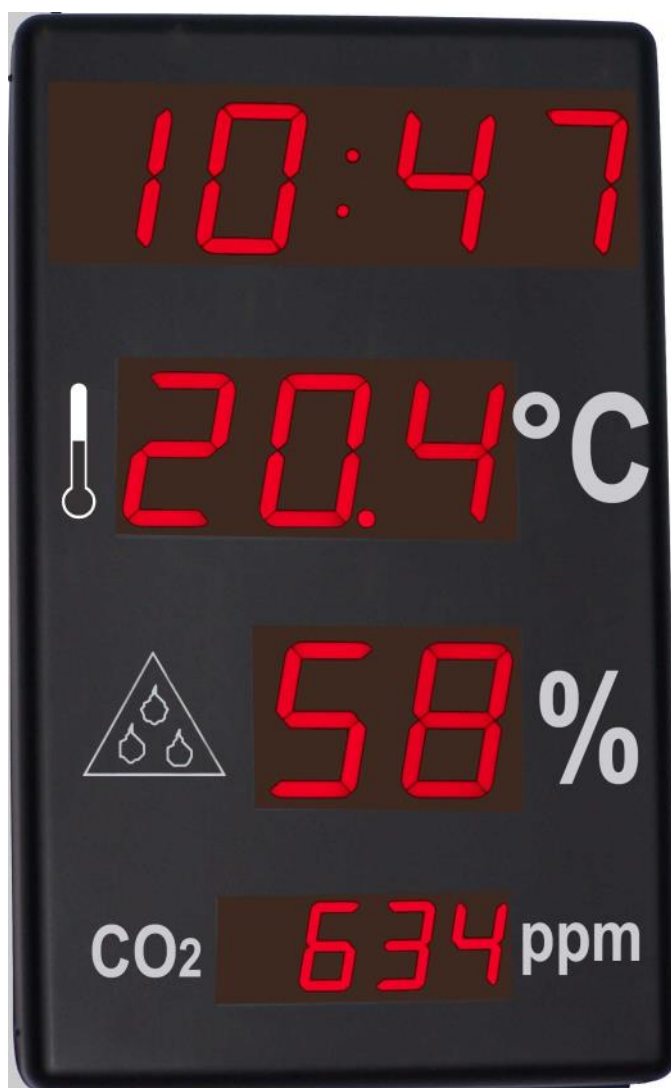
DC-41RTHO

CLOCK

THERMOMETER

HYGROMETER

CO₂ MEASURE



- 100 mm and 57 (CO₂) high digits, readable from up to 50 meters (30m).
- Schedulable power-down and power-up.
- Direct supply to the electrical network, without changing batteries.
- Hour maintenance up to one month after the power cut.
- Automatic summer/winter time change.
- Possibility of automatic and permanent adjustment of the time without intervention: Ethernet + SNMP and/or GPS.
- Maintenance-free and long-term reliable.

Options:

- GPS time synchronization.
- Ethernet communication using a web server for control and configuration. SNTP client to sync with a time server.
- Alarms with relays.
- Display network through RS-485.

General characteristics

Power supply	100V a 240V AC 50/60Hz
Box	Thermoformed methacrylate and steel base
Fixing	1 side: Against the wall
Display	Red leds
Recommended use margin	0°C to 60°C
Recommended use maximum	-10°C to 70°C
Protection level	IP41
Battery	NI-MH 3,3V.
Clock deviation	<2s per month
Measures	440 x 720 x 60mm

GPS characteristics

Antenna	Active antenna with 5m long cable and magnetic fixation
Receiver	GPS L1
Warm-up time	< 1minute

Humidity and temperature probe characteristics

	Temperature	Humidity
Resolution	0,1°	1%
Precision	±0,5°C typ ±2,5 MAX	±4,5% between 20% and 80%
Warm-up time	20s	4s
Cable lenght	2 meters	

CO2 sensor characteristics

Measure method	Autocalibrated NDIR
Precision	
From 400 to 1250 ppm	±30ppm or 3% of measurement
From 1250 to 2000 ppm	±5% of measurement + 30ppm
Temperature drift	0,2% full scale per °C
Preassure drift	0,13% of measuremet per mm Hg
Calibration interval	Not necessary
Response time	2 minutes
Vorking conditions	0° to 50°C 0-95% RH without condensation

Installation

The display is provided with power socket, plugs and screws for mounting to the wall.
No specific skills are required for its installation.

The time and display settings can be modified using three buttons located on the rear part, accessible once installed.

GPS option

The GPS option requires proximity window or facilities with thin roof. There is a parameter in the display menu for evaluating the quality of the received signal.

The antenna has a magnet for fastening feroous elements and 5m cable

Ethernet option

The option allows to connect to the display using Ethernet knowing only the IP address. Within the display there is a web server that allows us to see the time, the date, the temperature, the humidity, the CO₂ and the level of GPS signal (if the display has the option). The user can also change the display settings. To access the web server the user must enter the IP address of the clock in the browser URL. This option allows to sync the display with a SNTP server. This allows to create a display network so the displays sync within them. See examples in the user manual.

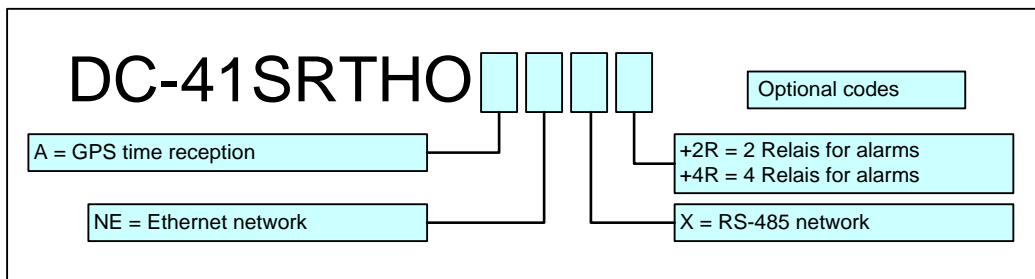
Relays option

Displays with relay option include 2 or 4 relays with 15 programable alarms for each one. The alarms can be programmed depending on the time, temperature, humidity, CO₂ and the weekday. The alarms are programmed using the display web page. If this option is selected, the Ethernet option must be selected too.

RS-485 option

Displays with RS-485 option allows the time synchronisation through this bus

Reference composition



EXAMPLES:

DC-41SRTHO

DC-41SRTHO series display

DC-41SRTHOA

DC-41SRTHO series display GPS time synchronization