

# LEDI® POOL



LEDI®POOL displays the temperature of the water for one or two pools and indicates alternately time / air temperature information.

Compliant with Sports Law Article R322-18.



### Robust aluminum-framed case.

Its rectangular case can be placed high enough out of reach of swimmers.

The **Wireless option for Temperature display** can facilitate the installation avoiding wired connection between the temperature probe and the clock display, while still keeping a high accuracy of measurement.

It is also possible to display the temperatures of different pools on separate displays. (Wireless option).

**Tropicalized electronic boards.**


### Time Setting

The professional LEDI® clocks can display the same time information, synchronized by a master clock or a time server.

### Internal time base

The LEDI® clock has its own temperature compensated TCXO time base which allows an accuracy about 0.1 sec/day between 0° et 40°C in case of synchronization loss.

### Specifications

|  |   |
|--|---|
| <b>Power supply</b>                        | 230VAC/50-60Hz 115VAC/50-60Hz<br>Version NTP : POE (Power Over Ethernet)                    |
| <b>Certification</b>                       | CE, EN 60950, EN 55022, EN 55024, ROHS  |
| <b>Maximum consumption</b>                 | 13,78 VA  |
| <b>IP</b>                                  | 54  |
| <b>MTBF</b>                                | 56 225 h.   |
| <b>MTTR</b>                                | Display : 5 min. CPU : 5 min.<br>Power supply : 5 min.                                      |
| <b>Weight</b>                              | 4Kg   |
| <b>Dimension</b>                           | 1150x260x62 mm (LxHxD)  |
| <b>Digit height</b>                        | Hour/minute : 110 mm<br>Temperature : 70 mm   |
| <b>Maximal distance of legibility</b>      | Up to 60 meters   |
| <b>Shock resistance</b>                    | IK9   |
| <b>Operating temperature</b>               | -20° to 50°C  |
| <b>Electrical equipment classification</b> | Class 2  |

### Display / LED specifications

### Simple row LED display.

SMD Technology, viewing Angle: 160°.

| Bi-colored LED (red green) |        | Monochrome LED  |
|----------------------------|--------|-----------------|
| Red : 245 mcd              | Yellow | Blue : 625 mcd  |
| Green : 780 mcd            |        | White : 625 mcd |



Ref : BDR\_UK2-8\_LED1-and-multizone-clocks-V6.0-priceless  
All technical changes, aesthetic, colour can be made without prior notice.

### Key features

**Perfectly silent**, direct and accurate reading of time.

**SMD bi-colour LED technology** allows changing the colour of display in red, green or yellow (optional: white or blue).

**The patented technology of the light guide** provides a perfect regularity of the brightness and viewing angle at 160°.

**The front face of the LEDI®** is coated with an antiglare and anti-scratch film giving an extraordinary level of contrast of 60000:1.

**A protection against over-voltage and industrial interference** via EMC filter.

**An easy "plug-and-play" installation.**

**Anodized aluminum case: Wall mount (screw lock) or flush mount.**

**Its participation in the sustainable development**, life span over 20 years.

**2 years warranty.**

### Security

Backup of time information in case of mains absence, by lithium battery : 10 years

### Remote management ( with NTP synchronization)

Remote configuration and time setting via WEB interface.  
Time zone setting and automatic daylight saving time change.  
Supervision via HTTP, SNMP, Telnet. "GT Network Manager" (software Windows® NT/XP/2000/Vista 32 bits/Windows 7).

### Synchronization inputs

- **Standalone TCXO quartz time base synchronizable by:**
- DCF(EUROPE).
- GPS.
- AFNOR NFS 87500
- IRIG B : shall be specified on Purchase order.
- ASCII RS232, ASCII RS422/485.
- NTP Ethernet 10/100BaseT détection automatique : RJ45.
- NTP POE (Power Over Ethernet).
- Wi-Fi (IEEE 802.11 a/b/g/n standard).

Name of zones shall be specified on Purchase Order.



# LEDI® POOL

|   |  | ITEM CODE |   |   |   |   |   |   |
|---|--|-----------|---|---|---|---|---|---|
|   |  | N3006     |   |   |   |   |   |   |
|   |  |           | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| <b>VERSION</b>  |  |           |   |   |   |   |   |   |
| Standalone : radiosynchronisable quartz time base 3.6864 MHz Accuracy +/- 0.1 sec/24 h (between 0 to 40°C) <input type="checkbox"/> |  | 2         |   |   |   |   |   |   |
| DCF Radiosynchronization. Antenna + 4m of cable <input checked="" type="checkbox"/>   |  | D         |   |   |   |   |   |   |
| GPS Antenna + 10m of cable <input checked="" type="checkbox"/>  |  | G         |   |   |   |   |   |   |
| AFNOR NFS 87500* receiver clock <input checked="" type="checkbox"/>   |  | 8         |   |   |   |   |   |   |
| ASCII RS 232 receiver clock <input checked="" type="checkbox"/>   |  | B         |   |   |   |   |   |   |
| ASCII 422/485 Receiver clock <input checked="" type="checkbox"/>  |  | Q         |   |   |   |   |   |   |
| NTP Ethernet 10/100 base T Synchronization <input checked="" type="checkbox"/>  |  | N         |   |   |   |   |   |   |
| Wi-Fi (IEEE 802.11 a/b/g/n standard) <input checked="" type="checkbox"/>  |  | W         |   |   |   |   |   |   |
| *IRIG.B Version : to be specified as « remark » on your Purchase Order.   |  |           |   |   |   |   |   |   |
| <b>CONFIGURABLE LED</b>   |  |           |   |   |   |   |   |   |
| High Brightness LED. Configurable colour: red, yellow, green <input type="checkbox"/>   |  | 4         |   |   |   |   |   |   |
| Configurable colour : white or blue <input checked="" type="checkbox"/>   |  | 5         |   |   |   |   |   |   |
| <b>MOUNTING</b>   |  |           |   |   |   |   |   |   |
| Standard : wall mounting (single face only) <input type="checkbox"/>  |  | 1         |   |   |   |   |   |   |
| Flush Mount <input checked="" type="checkbox"/>   |  | 3         |   |   |   |   |   |   |
| Ceiling Mount <input checked="" type="checkbox"/>   |  | 3         |   |   |   |   |   |   |
| <b>COLOUR OF CASE</b>   |  |           |   |   |   |   |   |   |
| Standard : anodised aluminum <input type="checkbox"/>   |  | 7         |   |   |   |   |   |   |
| Black painted aluminum RAL9005 <input checked="" type="checkbox"/>  |  | 0         |   |   |   |   |   |   |
| Specific <input checked="" type="checkbox"/>  |  | -         |   |   |   |   |   |   |
| <b>POWER SUPPLY</b>   |  |           |   |   |   |   |   |   |
| Standard : 230VAC/50-60Hz <input checked="" type="checkbox"/>   |  | 0         |   |   |   |   |   |   |
| 115VAC/50-60Hz <input checked="" type="checkbox"/>  |  | 1         |   |   |   |   |   |   |
| Power Over Ethernet (POE) <input checked="" type="checkbox"/>   |  | 7         |   |   |   |   |   |   |
| <b>OPTIONS</b>  |  |           |   |   |   |   |   |   |
| Display of Air Temperature C° at side zones (instead of water temperature for one of the pools) <input checked="" type="checkbox"/> |  |           |   |   |   |   |   | A |
| Temperature probe for water C° + 5 m of cable <input checked="" type="checkbox"/>   |  |           |   |   |   |   |   | G |
| Temperature probe for water C° Wireless – delivered with transmitter (radio DHW) <input checked="" type="checkbox"/>                |  |           |   |   |   |   |   | T |
| <b>OPTION reports on LEDIPOOL</b>   |  |           |   |   |   |   |   |   |
| Main LEDI POOL (water temperature for one pool) via RS485 output <input checked="" type="checkbox"/>                                |  |           |   |   |   |   |   | R |
| Secondary LEDI POOL (water temperature for one pool) via RS485 <input checked="" type="checkbox"/>                                  |  |           |   |   |   |   |   | Q |

## MEASUREMENT

Temperature probe PT1000 , delivered with 5 m of cable (maximum length 50m) – range of measurement **-20°C → +70°C**  
Additional cable Ref: CAB0602S

### **Air temperature measurement :**

- PT1000 Classe B Standard CEI 751
- Stainless tube diam 4.5 mm ; length : 40 mm
- 2 x 0.22mm² PVC shielded wire ; length : 5m.

These probes are composed of one stainless tube 316L with or without cable extension ; they can be fixed by threading onto the element to control.

### **Water Temperature measurement :**

- PT1000 Classe B suivant Standard CEI 751
- Stainless tube diam 6 mm; length : 50 mm
- Thread ¼ BSP.
- 2 x 0.22mm² PVC shielded wire ; length : 5m

### **Wired Solution :**

- PT1000 (option G)

### **Wireless solution :**

- PT1000 delivered with Transmitter /Receiver (option T)
- Built in receiver in LEDIPOOL
- Transmitter (869 Mhz) powered by a 230VAC→9VDC converter (2m de cable)

Compliance with security standards **EN 60.950 and CEI 60.950.**