**Westerstrand LED Digital Clock**

**CIRCLE LINE**

Digital clock **CIRCLE LINE** for indoor use,

Showing time in hour and minutes, seconds with red or green circle.
**Circle Line** is a product of digital clocks for indoor use with red digits and a circle of red or green LED’s, Ø 280mm, indicating seconds. Due to the silent function the Circle Line clocks are perfect for use in radio- and TV studios or similar environment.

Automatic illumination intensity control

Control of the Clock is performed by using three internal keys.

24 h memory. After a power failure the correct time is shown.

**Standard synchronization alternatives:**
- Stand alone without external synchronization
- Synchronization by 1/1- or 1/2- minute impulse from a Master Clock
- External radio receiver, see below

**Synchronization (factory option)**
- Time Code TC
- NTP, 230VAC or PoE (Power over Ethernet)
- Wireless
- RS485
- IRIGB

**Optional external radio receivers:**
122983-00 RDS
122984-20 DCF-77
122980-00 GPS

**Mounting/Installation:**
Single sided surface wall mount.

### Technical data:

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Black aluminium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front:</td>
<td>Polycarbonate</td>
</tr>
<tr>
<td>Encapsulation:</td>
<td>IP30</td>
</tr>
<tr>
<td>Standards:</td>
<td>EN61000-6-3:2001</td>
</tr>
<tr>
<td></td>
<td>EN61000-6-2:2005</td>
</tr>
<tr>
<td>Power Supply:</td>
<td>230V 50Hz AC</td>
</tr>
<tr>
<td></td>
<td>PoE (IEEE 802.3af)</td>
</tr>
<tr>
<td>Reading dist:</td>
<td>approx 25 m</td>
</tr>
<tr>
<td>Temp range:</td>
<td>0 - 40°C</td>
</tr>
<tr>
<td>Synchronization:</td>
<td>Impulse 5 mA from master clock</td>
</tr>
</tbody>
</table>

**Option NTP:**
SNTP, SNMP v1, HTTP, Telnet
Static IP-address or DHCP with option 42 support
10BASE-T (RJ-45) connection, Web-based operation
DNS support

**Option Wireless:**
External antenna on the casing
Frequency 869.525 MHz
Sensitivity 1µV (-107 dBm)
Modulation FSK +/- 25kHz

**Option IRIGB:**
Format B123
AFNOR NFS 87500,
IRIGB with date
1-5Vp-p modulated 50 ohm

<table>
<thead>
<tr>
<th>Art no</th>
<th>Digits</th>
<th>Hour markings</th>
<th>Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>119470-51</td>
<td>57mm red</td>
<td>Red</td>
<td>Red</td>
</tr>
<tr>
<td>119470-80</td>
<td>57mm red</td>
<td>Red</td>
<td>Green</td>
</tr>
</tbody>
</table>

We reserve the right to changes at any time.