

OptoElectronics.LK

GPS-SYNCHRONIZED CLOCKS | LARGE LED NUMERIC DISPLAYS

PRODUCT CATALOGUE 2026



PRECISION TIMEKEEPING • CLEAR VISIBILITY • RELIABLE ENGINEERING

ENGINEERED & BUILT IN SRI LANKA | OPTOELECTRONICS.LK

ABOUT US

PRECISION YOU CAN SEE. RELIABILITY YOU CAN TRUST.

SRI LANKAN LED DISPLAY MANUFACTURER

OptoElectronics.LK is a Sri Lankan designer and manufacturer of high-visibility LED display systems for industrial and commercial applications.

We specialise in GPS-synchronised digital clocks, large numeric displays, counters, timers and purpose-built information displays designed for clear visibility and dependable operation.

Built on years of practical experience in industrial electronics, our products have been installed in production facilities and demanding operational environments across Sri Lanka.

Every product is developed with careful attention to timing accuracy, visual clarity, durable construction and long-term serviceability.

We support customers beyond delivery through knowledgeable local assistance, repair services and dependable after-sales support.



GPS-SYNCHRONISED CLOCKS LARGE LED NUMERIC DISPLAYS

Engineered and built in Sri Lanka

OUR STRENGTHS

01

GPS TIME SPECIALISATION

Satellite-synchronised clocks with precision backup timekeeping.

02

PROVEN INDUSTRIAL INSTALLATIONS

Products developed through practical experience in real facilities.

03

CLEAR, RELIABLE LED DISPLAYS

High-visibility systems designed for dependable continuous operation.

04

LONG-TERM LOCAL SUPPORT

Direct technical assistance, servicing and dependable after-sales support.

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01.

3-INCH 4-DIGIT GPS WALL CLOCK

● RED CLK0300D4SR

● GREEN CLK0300D4SG



PRODUCT OVERVIEW

A compact four-digit GPS-synchronised wall clock displaying hours and minutes. Its clear 3-inch LED digits provide reliable time visibility for offices, production areas and commercial interiors.

KEY FEATURES

- Automatic GPS time synchronisation
- Clear 3-inch LED digits
- Four-digit hours-and-minutes display
- Single-sided wall-mount design
- Red or green display options

TECHNICAL DETAILS

DIGIT HEIGHT 3 in (76 mm)	DISPLAY FORMAT HH:MM	DISPLAY COLOUR Red or Green	VIEWING DISTANCE Up to 6 m (20 ft)
SYNCHRONISATION GPS satellite synchronisation	POWER SUPPLY Built-in 230 V AC	DIMENSIONS 144 × 354 × 50 mm	WEIGHT

02.

3-INCH 6-DIGIT GPS WALL CLOCK

● RED CLK0318D6SR

● GREEN CLK0318D6SG



PRODUCT OVERVIEW

A compact six-digit GPS-synchronised wall clock displaying hours, minutes and seconds. Large hour-and-minute digits combined with smaller seconds digits provide clear time visibility within a compact enclosure.

KEY FEATURES

- Automatic GPS time synchronisation
- Clear 3-inch hour-and-minute digits
- Compact 1.8-inch seconds digits
- Full hours, minutes and seconds display
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT 3 in (HH:MM) / 1.8 in (SS)	DISPLAY FORMAT HH:MM:ss	DISPLAY COLOUR Red or Green	VIEWING DISTANCE Up to 6 m (20 ft)
SYNCHRONISATION GPS satellite synchronisation	POWER SUPPLY Built-in 230 V AC	DIMENSIONS 144 × 449 × 50 mm	WEIGHT

03.

3-INCH 6-DIGIT GPS WALL CLOCK

• RED CLK0300D6SR

• GREEN CLK0300D6SG



PRODUCT OVERVIEW

A six-digit GPS-synchronised wall clock with uniform 3-inch digits displaying hours, minutes and seconds. It provides clear second-by-second time visibility for offices, production areas and commercial facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Six uniform 3-inch LED digits
- Full hours, minutes and seconds display
- Clear visibility across indoor environments
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
3 in (76 mm)

DISPLAY FORMAT
HH:MM:SS

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 6 m (20 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
144 × 524 × 50 mm

WEIGHT

04.

4-INCH 4-DIGIT GPS WALL CLOCK

• RED CLK0400D4SR

• GREEN CLK0400D4SG



PRODUCT OVERVIEW

A four-digit GPS-synchronised wall clock displaying hours and minutes with high-visibility 4-inch LED digits. It provides clear and dependable time visibility for factories, offices and medium-sized commercial spaces.

KEY FEATURES

- Automatic GPS time synchronisation
- High-visibility 4-inch LED digits
- Four-digit hours-and-minutes display
- Clear medium-distance visibility
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
HH:MM

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
179 × 474 × 50 mm

WEIGHT

05.

4-INCH 6-DIGIT GPS WALL CLOCK

• RED CLK0400D6SR

• GREEN CLK0400D6SG



PRODUCT OVERVIEW

A six-digit GPS-synchronized wall clock with uniform 4-inch digits displaying hours, minutes and seconds. It provides clear second-by-second time visibility for factories, control rooms and large commercial interiors.

KEY FEATURES

- Automatic GPS time synchronisation
- Six uniform 4-inch LED digits
- Full hours, minutes and seconds display
- Clear medium-distance visibility
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
HH:MM:SS

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
179 × 704 × 50 mm

WEIGHT

06.

4-INCH 6-DIGIT GPS WALL CLOCK

• RED/GREEN CLK0423D6SRG

• GREEN/RED CLK0423D6SGR



PRODUCT OVERVIEW

A six-digit GPS-synchronized wall clock featuring large 4-inch hour-and-minute digits with compact 2.3-inch seconds digits. Contrasting display colours clearly separate the primary time from the seconds indication.

KEY FEATURES

- Automatic GPS time synchronisation
- 4-inch hour-and-minute digits
- Compact 2.3-inch seconds digits
- Contrasting colours for clear separation
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (HH:MM) / 2.3 in (SS)

DISPLAY FORMAT
HH:MM:ss

DISPLAY COLOUR
Red/Green or Green/Red

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
179 × 644 × 50 mm

WEIGHT

07.

4-INCH GPS TIME & DATE WALL CLOCK

● RED/GREEN CLK0418D12SRG

● GREEN/RED CLK0418D12SGR



PRODUCT OVERVIEW

A GPS-synchronised time-and-date wall clock displaying hours and minutes together with the complete calendar date. Large time digits and a dedicated date display provide clear information for factories, offices and operational facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Simultaneous time and calendar display
- Large 4-inch hour-and-minute digits
- Dedicated day, month and year indication
- Contrasting colours for clear separation

TECHNICAL DETAILS

DIGIT HEIGHT
3 in (Time) / 1.8 in (Date)

DISPLAY FORMAT
HH:MM / DD:MM:YYYY

DISPLAY COLOUR
Red/Green or Green/Red

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
344 × 554 × 50 mm

WEIGHT

08.

4-INCH 4-DIGIT DOUBLE-SIDED GPS WALL CLOCK

● RED CLK0400D4DR

● GREEN CLK0400D4DG



PRODUCT OVERVIEW

A double-sided GPS-synchronised wall clock displaying hours and minutes with high-visibility 4-inch LED digits. It provides accurate time visibility from opposing directions in corridors, production areas and large indoor facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Double-sided time display
- High-visibility 4-inch LED digits
- Four-digit hours-and-minutes format
- Suitable for suspended or projecting installation

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
HH:MM

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
192 × 484 × 100 mm

WEIGHT

09. 4-INCH 6-DIGIT DOUBLE-SIDED GPS WALL CLOCK

● RED CLK0400D6DR

● GREEN CLK0400D6DG



PRODUCT OVERVIEW

A double-sided GPS-synchronised wall clock displaying hours, minutes and seconds with high-visibility 4-inch LED digits. It provides accurate time visibility from opposing directions in corridors, production areas and large indoor facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Double-sided time display
- High-visibility 4-inch LED digits
- Six-digit hours, minutes and seconds format
- Suitable for suspended or projecting installation

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
HH:MM:SS

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
192 × 717 × 100 mm

WEIGHT

10. 12-INCH 4-DIGIT GPS WALL CLOCK

● RED CLK1200D4SR

● GREEN CLK1200D4SG

● WHITE CLK1200D4SW



PRODUCT OVERVIEW

A large-format GPS-synchronised wall clock displaying hours and minutes with high-visibility 12-inch LED digits. It provides accurate time visibility across factories, warehouses and other large indoor spaces.

KEY FEATURES

- Automatic GPS time synchronisation
- High-visibility 12-inch LED digits
- Four-digit hours-and-minutes display
- Clear long-distance visibility
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
12 in (305 mm)

DISPLAY FORMAT
HH:MM

DISPLAY COLOUR
Red, Green or White

VIEWING DISTANCE
Up to 30 m (100 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
421 × 1126 × 50 mm

WEIGHT

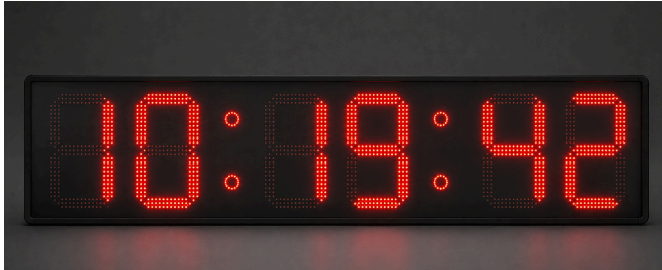
11.

12-INCH 6-DIGIT GPS WALL CLOCK

● RED CLK1200D6SR

● GREEN CLK1200D6SG

● WHITE CLK1200D6SW



PRODUCT OVERVIEW

A large-format six-digit GPS-synchronised wall clock displaying hours, minutes and seconds with high-visibility 12-inch LED digits. It provides accurate second-by-second time visibility across factories, warehouses and large facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Six high-visibility 12-inch LED digits
- Full hours, minutes and seconds display
- Clear long-distance visibility
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
12 in (305 mm)

DISPLAY FORMAT
HH:MM:SS

DISPLAY COLOUR
Red, Green or White

VIEWING DISTANCE
Up to 30 m (100 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
421 × 1736 × 50 mm

WEIGHT

12.

15-INCH 4-DIGIT GPS WALL CLOCK

● RED CLK1500D4SR

● GREEN CLK1500D4SG

● WHITE CLK1500D4SW



PRODUCT OVERVIEW

An extra-large GPS-synchronised wall clock displaying hours and minutes with high-visibility 15-inch LED digits. It is designed for accurate long-distance time visibility across factories, warehouses and expansive indoor facilities.

KEY FEATURES

- Automatic GPS time synchronisation
- Extra-large 15-inch LED digits
- Four-digit hours-and-minutes display
- Excellent long-distance visibility
- Single-sided wall-mount design

TECHNICAL DETAILS

DIGIT HEIGHT
15 in (381 mm)

DISPLAY FORMAT
HH:MM

DISPLAY COLOUR
Red, Green or White

VIEWING DISTANCE
Up to 40 m (130 ft)

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
493 × 1460 × 50 mm

WEIGHT

13.

GPS MASTER CLOCK TRANSMITTER

MODEL CODE: **MCLK**



PRODUCT OVERVIEW

A GPS-synchronised master clock transmitter that distributes an accurate time signal throughout the facility using LoRa RF communication. Its long-range wireless coverage allows compatible slave clocks across production floors and other operational areas to remain synchronised without extensive signal cabling.

KEY FEATURES

- Automatic GPS time synchronisation
- Long-range LoRa RF signal distribution
- Facility-wide wireless time coverage
- Synchronises all compatible slave clocks
- Suitable for factories and large industrial premises

TECHNICAL DETAILS

FUNCTION
Master clock transmitter

SYSTEM TYPE
Wireless master/slave clocks

SIGNAL DISTRIBUTION
LoRa RF wireless

COVERAGE
Facility-wide

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
185 × 265 × 80 mm

WEIGHT

14.

4-INCH 2-DIGIT ISO WEEK NUMBER DISPLAY

● RED **WKN0400D2DR**

● GREEN **WKN0400D2DG**



PRODUCT OVERVIEW

A double-sided ISO week number display originally custom-designed for an export production facility. Its built-in GPS receiver automatically determines and displays the current ISO week number from 01 to 53, providing a clear calendar-week reference across production areas.

KEY FEATURES

- Automatic GPS-based ISO week calculation
- Displays ISO week numbers from 01 to 53
- Clear 4-inch LED digits
- Double-sided viewing
- Red or green display options

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
ISO week number (01–53)

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 9 m (30 ft) per side

SYNCHRONISATION
GPS satellite
synchronisation

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
251 x 192 x 100 mm

WEIGHT

15.

ISO CHRONO VISION

ICV0230D16SM



PRODUCT OVERVIEW

ISO Chrono Vision is a GPS-synchronised production-floor information display presenting the current time, full calendar date and ISO week number in one unit. Its multi-size LED layout provides production teams with a clear, shared reference for daily operations, scheduling and weekly production planning.

KEY FEATURES

- Automatic GPS time and date synchronisation
- Displays time, full date and ISO week number
- Automatic ISO week calculation from 01 to 53
- Multi-colour LED display arrangement
- Designed for production-floor visibility

TECHNICAL DETAILS

TIME DISPLAY
HH:MM:SS - 1 in digits

SYNCHRONISATION
GPS satellite
synchronisation

DATE DISPLAY
DD/MM/YYYY - 0.56 in digits

POWER SUPPLY
Built-in 230 V AC

WEEK DISPLAY
ISO week 01 to 53 - 2.3 in
digits

DIMENSIONS
270 × 260 × 50 mm

APPLICATION
Production floors

WEIGHT

16.

ASTROTM-100 ALARM MODULE

AstroTM-100



PRODUCT OVERVIEW

The AstroTM-100 is an automatic industrial alarm module designed to signal factory shifts, breaks and scheduled production events. It supports up to 30 programmable alarm schedules and can operate independently using GPS synchronisation or as a slave unit receiving time signals from a compatible master clock.

KEY FEATURES

- Up to 30 programmable alarm schedules
- Automatic shift and break signalling
- GPS or master-clock time synchronisation
- Built-in audible alarm and tower warning light.
- Suitable for production-floor scheduling

TECHNICAL DETAILS

SCHEDULE CAPACITY
Up to 30 schedules

SYNCHRONISATION
GPS or master-clock time
signal

TIMING MODES
GPS or master-clock slave

POWER SUPPLY
Built-in 230 V AC

ALARM OUTPUTS
Built-in alarm and tower light

DIMENSIONS
185 × 265 × 80 mm

APPLICATION
Shift, break and production
signalling

WEIGHT

17. 4-INCH 4-DIGIT SWIMMING PACE CLOCK

MODEL CODE: **PCLK0400D4SG**



PRODUCT OVERVIEW

A single-sided swimming pace clock designed as a large-format upward-counting stopwatch for pool training. It displays elapsed minutes and seconds using high-visibility 4-inch green LED digits, counting continuously from 00:00 to 99:59 before automatically rolling over.

KEY FEATURES

- Upward-counting stopwatch operation
- Clear MM:SS display format
- High-visibility 4-inch green LED digits
- Automatic rollover after 99:59
- Designed for swimming and pace training
- Single-sided wall-mounted construction

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
MM:SS

DISPLAY COLOUR
GREEN

VIEWING DISTANCE
Up to 9m (30 ft)

TIMING MODE
Upward counting to 99:59

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
179 x 474 x 50 mm

WEIGHT

18. 12-INCH 2-DIGIT SWIMMING PACE CLOCK

• RED **PCLK1200D2SR**

• GREEN **PCLK1200D2SG**



PRODUCT OVERVIEW

A large-format swimming pace clock providing a continuous seconds reference for poolside training. When powered on, it automatically counts upward from 00 to 59 and then rolls over to 00, allowing swimmers and coaches to monitor consistent training intervals.

KEY FEATURES

- Continuous upward seconds counting
- Automatic operation immediately after power-up
- Automatic rollover from 59 to 00
- High-visibility 12-inch red LED digits
- Clear poolside visibility up to 30 metres

TECHNICAL DETAILS

DIGIT HEIGHT
12 in (305 mm)

DISPLAY FORMAT
Seconds (00–59)

DISPLAY COLOUR
Red or Green

VIEWING DISTANCE
Up to 30 m (100 ft)

TIMING MODE
Continuous upward count

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
516 x 421 x 50 mm

WEIGHT

19.

3-INCH 4-DIGIT DIGITAL STOPWATCH

SINGLE-SIDED - SW0300D4SG_WR

DOUBLE-SIDED - SW0300D4DG_WR



PRODUCT OVERVIEW

A wired-remote digital stopwatch designed for production-time monitoring. It initially displays minutes and seconds, counting upward to 59:59, before automatically changing to hours and minutes and continuing up to 23:59. Secure locking aviation connectors provide reliable connections between the display and remote controller.

KEY FEATURES

- Upward-counting stopwatch operation
- Automatic MM:SS to HH:MM format change
- Wired Start, Stop and Reset controls
- Reset function enabled when timing is stopped
- Blinking indicator while the stopwatch is running
- Secure aviation-plug connections

TECHNICAL DETAILS

DIGIT HEIGHT
3 in (76 mm)

DISPLAY FORMAT
MM:SS, followed by HH:MM

DISPLAY COLOUR
Green

VIEWING DISTANCE
Up to 6 m (20 ft)

TIMING RANGE
00:00 MM:SS to 23:59
HH:MM

POWER SUPPLY
External 12 V DC, 2 A
adaptor

DIMENSIONS
144 × 354 × 50 mm

WEIGHT

20.

4-INCH 4-DIGIT DIGITAL STOPWATCH

SINGLE-SIDED - SW0400D4SR_WR

DOUBLE-SIDED — SW0400D4DR_WR



PRODUCT OVERVIEW

A wired-remote digital stopwatch designed for production-time monitoring where greater viewing distance is required. It initially displays minutes and seconds up to 59:59, then automatically changes to hours and minutes and continues counting upward to 23:59. Secure locking aviation connectors provide reliable connections between the display and remote controller.

KEY FEATURES

- Upward-counting stopwatch operation
- Automatic MM:SS to HH:MM format change
- Wired Start, Stop and Reset controls
- Reset enabled when timing is stopped
- Blinking Start/Stop indicator while running
- Secure aviation-plug connections

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
MM:SS, followed by HH:MM

DISPLAY COLOUR
Red

VIEWING DISTANCE
Up to 9 m (30 ft)

TIMING RANGE
00:00 MM:SS to 23:59
HH:MM

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
179 × 474 × 50 mm

WEIGHT

21.

15-INCH 4-DIGIT STOPWATCH

SW1500D4SR_WR



PRODUCT OVERVIEW

A large-format wired-remote digital stopwatch originally developed for rugby period timing and equally suitable for industrial elapsed-time monitoring. It begins in MM:SS format, counts upward to 59:59, then automatically changes to HH:MM and continues up to 23:59.

KEY FEATURES

- High-visibility 15-inch red LED digits
- Clear visibility up to 40 metres
- Automatic MM:SS to HH:MM format change
- Wired Start, Stop and Reset controller
- Blinking Start/Stop indicator while running
- Suitable for sports and industrial timing

TECHNICAL DETAILS

DIGIT HEIGHT
15 in (381 mm)

DISPLAY FORMAT
MM:SS, followed by HH:MM

DISPLAY COLOUR
Red, Green or White

VIEWING DISTANCE
Up to 40 m (130 ft)

TIMING RANGE
00:00 MM:SS to 23:59
HH:MM

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
493 × 1460 × 50 mm

WEIGHT

22.

DAILY SAFETY COUNTER - SafeCount X Pro

SC0400D4SG



PRODUCT OVERVIEW

SafeCount X Pro is an industrial safety counter designed for factory entrances. It clearly displays the number of consecutive working days completed without an incident. Its built-in GPS and RTC automatically advance the count each day while providing accurate calendar and leap-year correction

KEY FEATURES

- Automatically increases the safety count each day
- Built-in GPS and real-time clock
- Automatic leap-year correction
- Manual reset using a protected long-press action
- High-visibility 4-inch green LED digits
- Designed for factory-entrance safety information

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
Safe working days

DISPLAY COLOUR
Green

VIEWING DISTANCE
Up to 9 m (30 ft)

SYNCHRONISATION
Automatic GPS/RTC daily count

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
868 × 748 × 50 mm

WEIGHT

23.**PRODUCTION COUNTER - LoRa WIRELESS**

PC0400D6DG

**PRODUCT OVERVIEW**

A double-sided wireless production counter displaying three-digit Target and Actual values using high-visibility 4-inch green LED digits. A separate controller communicates with the display through LoRa RF, allowing installation across the production floor without signal cabling between the two units.

KEY FEATURES

- Three-digit Target and Actual displays
- Double-sided 4-inch green LED digits
- LoRa RF connection between controller and display
- Isolated 24 V production-count inputs
- USB number pad for setting the Target value
- Dedicated full-display reset button
- Suitable for general production facilities

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

COUNT INPUTS
Isolated 24 V or manual controls

DISPLAY FORMAT
Target: 000–999 / Actual: 000–999

POWER SUPPLY
Built-in 230 V AC

DISPLAY COLOUR
Green

DIMENSIONS (mm)
Display: 341 × 498 × 100
Controller: 185 × 265 × 80

VIEWING DISTANCE
Up to 9 m (30 ft)

WEIGHT

24.**TALLY COUNTER**

TC0400D5DGR

**PRODUCT OVERVIEW**

A double-sided industrial tally counter displaying two fully independent production values. The upper three-digit green display shows the Tally count, while the lower two-digit red display shows the Frequency count. Both counters can operate upward or downward using isolated 24 V PLC inputs or wired remote controls.

KEY FEATURES

- Independent Tally and Frequency counters
- Upward or downward counting
- Isolated 24 V PLC logic inputs
- Wired remote-control compatibility
- Manual or PLC-controlled reset
- Automatic rollover at maximum values
- Double-sided display construction

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

CONTROL INPUTS
Isolated 24 V PLC or wired remote

DISPLAY FORMAT
Tally: 000–999, Freq.: 00–99

POWER SUPPLY
Built-in 230 V AC

DISPLAY COLOUR
Tally: Green, Freq.: Red

DIMENSIONS
283 × 390 × 100 mm

VIEWING DISTANCE
Up to 9 m (30 ft)

WEIGHT

25.

TARGET COUNTER - LoRa WIRELESS

TC0400D8DG_RF



PRODUCT OVERVIEW

A double-sided production counter displaying four-digit Target and Actual values in green. A separate control box communicates with the overhead display through LoRa RF. Target is entered using a USB number pad, while Actual is controlled through isolated 24 V PLC inputs or built-in buttons.

KEY FEATURES

- 4-inch Target and Actual displays
- LoRa RF controller-to-display link
- USB number-pad Target setting
- PLC or manual Actual counting
- Up/down counting with Actual reset
- Dry-contact alarm or tower-light output

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
Tar & Act : 0000 - 9999

DISPLAY COLOUR
Green

VIEWING DISTANCE
Up to 9 m (30 ft)

CONTROL INPUTS
Isolated 24 V PLC or built-in controls

POWER SUPPLY
Built-in 230 V AC

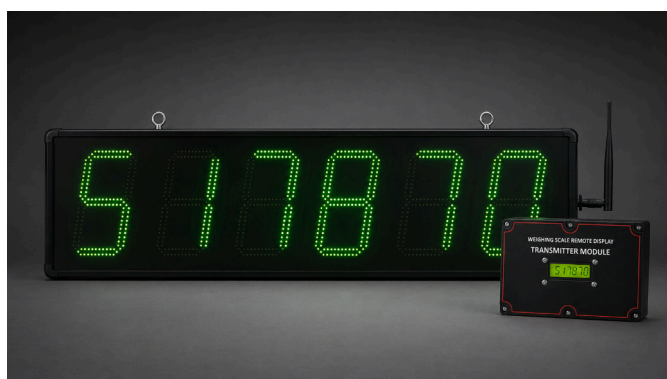
DIMENSIONS
295 × 452 × 100 mm

WEIGHT

26.

WEIGHING SCALE DISPLAY 12-INCH 6-DIGIT - LoRa WIRELESS

WS1200D6SG_RF



PRODUCT OVERVIEW

A universal wireless jumbo display system for weighing scales. A compact transmitter connects to any RS-232-compatible scale and sends its weighing data through LoRa RF to the large remote display, providing an accurate real-time copy of the scale reading.

KEY FEATURES

- Real-time weighing-data mirroring
- Universal RS-232 scale compatibility
- LoRa RF transmitter-to-display link
- Compact processing transmitter module
- High-visibility 12-inch green LED digits

TECHNICAL DETAILS

DIGIT HEIGHT
12 in (305 mm)

DISPLAY FORMAT
6-digit weight data

DISPLAY COLOUR
Red, Green or White

VIEWING DISTANCE
Up to 30 m (100 ft)

DATA INPUT
RS-232 serial via transmitter

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
421 × 1736 × 50 mm

WEIGHT

27.

OVEN STATUS DISPLAY V2 - LoRa WIRELESS

OVEN-STATUS-V2



PRODUCT OVERVIEW

A three-part wireless system developed for tyre-curing operations. Operators enter occupied and idle oven numbers through two dedicated keypad modules, while the double-sided overhead display presents the combined status for efficient production scheduling.

KEY FEATURES

- Six rows of 4-inch oven numbers
- Occupied and idle oven tracking
- Two wireless USB-keypad modules
- Automatic upward shifting after deletion
- Oven-release alarm indication
- Double-sided overhead display

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
6 rows × 2 digits; oven numbers 0–99

DISPLAY COLOUR
Green

VIEWING DISTANCE
Up to 9 m (30 ft) per side

CONTROL SYSTEM
Two LoRa RF modules with USB number pads

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
252 × 933 × 100 mm

WEIGHT

28.

KEY PERFORMANCE INDICATOR DISPLAY - LoRa WIRELESS

KPI-9X2-RF



PRODUCT OVERVIEW

A large production-floor display presenting date, production targets, achieved quantities, adherence, quality, scrap and energy information. Data is manually updated through dedicated Windows software and transmitted using a USB LoRa RF dongle.

KEY FEATURES

- Nine-row, two-column KPI layout
- Eighteen four-digit numerical fields
- Decimal-value display capability
- Dot-matrix screen for additional data
- Dedicated Windows management software
- USB LoRa RF wireless communication

TECHNICAL DETAILS

DIGIT HEIGHT
2.3 in (58 mm)

DISPLAY FORMAT
9 rows × 2 columns; 4 digits per field

DISPLAY COLOUR
Red

VIEWING DISTANCE
Up to 6 m (20 ft)

DISPLAY RANGE
0–9999, including decimal values

DATA ENTRY
Windows software via USB LoRa RF dongle

POWER SUPPLY
Built-in 230 V AC

DIMENSIONS
914 × 1219 × 100 mm

29.

SCRAP GRADER CONTROLLER – TRANSMITTER MODULE

SGCTX_V1



PRODUCT OVERVIEW

A desktop scrap-grading controller that maintains 12 daily and 12 cumulative counters. Operators manage all functions using a wireless QWERTY keyboard, while LoRa RF communication continuously updates the associated overhead display. The controller can also operate independently.

KEY FEATURES

- 12 daily and 12 cumulative counters
- Wireless QWERTY keyboard operation
- LED daily-count and LCD cumulative display
- EEPROM count retention
- Continuous LoRa RF link monitoring
- Rotating LED alarm indicator

TECHNICAL DETAILS

DAILY DISPLAY
0.56-inch LED digits

CUMULATIVE DISPLAY
Character LCD screen

COUNTER CAPACITY
12 daily and 12 cumulative counters

CONTROL METHOD
USB wireless QWERTY keyboard

DATA RETENTION
Built-in EEPROM memory

COMMUNICATION
Continuous LoRa RF data link

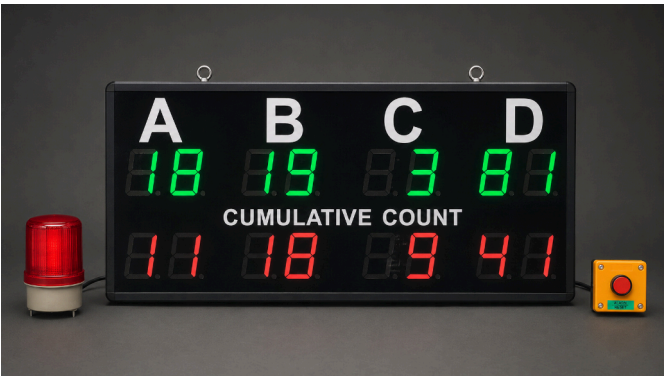
ALARM INDICATION
Rotating LED alarm light

POWER SUPPLY
Built-in 230 V AC

30.

SCRAP GRADER CONTROLLER – OVERHEAD DISPLAY MODULE

SGCRX_V1



PRODUCT OVERVIEW

A single-sided overhead display for three production lines per transmitter. Each display presents four daily and four cumulative scrap-grade counts. Updated values flash temporarily, while an alarm remains active until acknowledged using the dedicated wired remote.

KEY FEATURES

- Four daily and four cumulative counters
- Green daily and red cumulative values
- Instant updates with temporary flashing
- Alarm with operator acknowledgement
- Dedicated wired acknowledgement remote
- Continuous LoRa RF link monitoring
- Link-status LED indicator

TECHNICAL DETAILS

DIGIT HEIGHT
4 in (102 mm)

DISPLAY FORMAT
2 rows × 4 sections; 2 digits per section

COUNTER CAPACITY
Daily: 4 × 00–99 / Cumulative: 4 × 00–99

DISPLAY COLOUR
Daily: Green / Cumulative: Red

VIEWING DISTANCE
Up to 9 m (30 ft)

UPDATE INDICATION
Updated value flashes temporarily

ALARM CONTROL
Wired operator-acknowledgement remote

DIMENSIONS
939 × 449 × 50 mm

31. PHOTO SENSOR SWITCH, DUAL-CHANNEL DETECTION - LoRa WIRELESS

ODI-2CH-RF



PRODUCT OVERVIEW

A wireless obstacle-detection and PLC interlock system for rail-mounted moving machinery. Two forward-facing sensors monitor the travel path, while separate obstacle and link-status relays provide alarm and movement-permission signals to the PLC.

KEY FEATURES

- Dual sensors with expandable inputs
- Confirmed, repeated LoRa RF transmission
- Latched obstacle detection until manual reset
- Fail-safe healthy-link PLC interlock
- Normally open dry-contact outputs
- Loud alarm, rotating lamp and LED indicators

TECHNICAL DETAILS

STANDARD SENSORS
2 × E3JK-DS30M1
photoelectric sensors

LINK OUTPUT
Normally open dry contact;
closed only while the
wireless link is healthy

SENSING RANGE
Up to 0.3 m with supplied
sensors

LINK-LOSS RESPONSE
Immediate relay release to
inhibit PLC movement

RF COMMUNICATION
100 mW LoRa RF with
receipt confirmation

STATUS INDICATION
Power, wireless link and
alarm indicators

OBSTACLE OUTPUT
Normally open dry contact;
remains latched until reset

ALARM INDICATION
Loud audible alarm with
rotating warning lamp

32. RAW MATERIAL REQUEST DISPLAY - LoRa WIRELESS

RMR-192X64-RF



PRODUCT OVERVIEW

A two-part wireless request system originally developed for EPI/TPI material coordination and adaptable to other raw materials. Operators select a two-digit material code, while the overhead display shows its full name and production line with an alarm. Two requests can be displayed simultaneously.

KEY FEATURES

- 192 × 64-pixel tri-colour matrix display
- Up to 99 stored raw-material records
- USB number pad with local LCD guidance
- Two simultaneous material requests
- Red-to-amber overdue indication
- Confirmed LoRa RF communication

TECHNICAL DETAILS

MATRIX DISPLAY
192 × 64 pixels; red, green,
amber

REQUEST STATUS
Red flash; amber after 5
minutes

DISPLAY CONTENT
Material name, line and 2
requests

ALARM & RF LINK
Timed alarm, confirmed
LoRa, blue LED

MATERIAL RECORDS
99 codes; PIN admin; non-
volatile memory

VIEWING DISTANCE
Up to 10.7 m (35 ft)

DATA ENTRY
USB number pad and
character LCD

DIMENSIONS
914 × 305 × 50 mm

33.

LARGE RAW MATERIAL REQUEST DISPLAY - LoRa WIRELESS

RMR-256X64-RF



PRODUCT OVERVIEW

A large-format wireless material-request system supplied with 35 raw-material records and expandable to 99. Operators enter two-digit codes through the LCD-equipped data module, while the overhead display presents up to two requests with audible and colour-coded alerts.

KEY FEATURES

- 256 × 64-pixel tri-colour matrix
- 35 configured materials; capacity for 99
- PIN-protected non-volatile database
- USB number pad with local LCD guidance
- Two simultaneous material requests
- Timed alarm and confirmed LoRa RF link

TECHNICAL DETAILS

MATRIX DISPLAY 256 × 64 pixels; red, green, amber	DISPLAY CONTENT Material name, line and 2 requests	MATERIAL RECORDS 35 supplied; 99 max; PIN admin	DATA ENTRY USB number pad and character LCD
REQUEST STATUS Red flash; amber after 5 minutes	ALARM & RF LINK Timed alarm, confirmed LoRa, blue LED	VIEWING DISTANCE Up to 13.7 m (45 ft)	DIMENSIONS 1219 × 305 × 50 mm

34.

WIRELESS UTILITY STATUS DISPLAY - LoRa WIRELESS

UTD-5CH-RF



PRODUCT OVERVIEW

A wireless utility-monitoring system with a 256 × 64 tri-colour overhead display and five sensor modules. It simultaneously shows CEB power, generator, cooling tower and A1/A2 pump status, providing immediate warnings and individual relay outputs when a utility enters its programmed fault state.

KEY FEATURES

- Five-channel design with expandable capacity
- Fault reporting within one second
- Configurable normal and fault input logic
- Green, flashing-red and solid-amber states
- Sensor loss shown as an amber dash
- One-minute alarm with individual relay outputs

TECHNICAL DETAILS

MATRIX DISPLAY 256 × 64 pixels; red, green, amber	UTILITY CHANNELS 5 standard; expandable to suit font size	STATUS LOGIC Green normal; red fault; amber after 5 min	SENSOR INPUTS Isolated 230 V AC; sensor modules on UPS
SENSOR LOSS Amber dash; no alarm	ALARM & OUTPUTS 1-min siren/lamp; separate N/O contacts	VIEWING DISTANCE Up to 13.7 m (45 ft)	DIMENSIONS 1219 × 305 × 50 mm

35. WIRELESS PRODUCTION DATA DISPLAY - LoRa WIRELESS

BCD-256X64-RF



PRODUCT OVERVIEW

A wireless production-data system developed for tyre manufacturing. Administrators create PIN-protected headings, while operators enter and maintain information using a full QWERTY keyboard. Each heading and its data appears for 15 seconds before rotating to the next entry, reducing delays and verbal communication.

KEY FEATURES

- 256 × 64-pixel high-visibility red display
- PIN-protected custom heading setup
- Full USB wireless QWERTY keyboard
- Large local LCD for entry verification
- Automatic 15-second heading rotation
- Scrolling text with confirmed LoRa updates

TECHNICAL DETAILS

MATRIX DISPLAY
256 × 64 pixels; red only

TEXT CAPACITY
Long text scrolls automatically

DISPLAY MODE
One heading; rotates every 15 seconds

RF & MEMORY
Confirmed LoRa updates; power-loss retention

HEADING SETUP
PIN-protected; customized as required

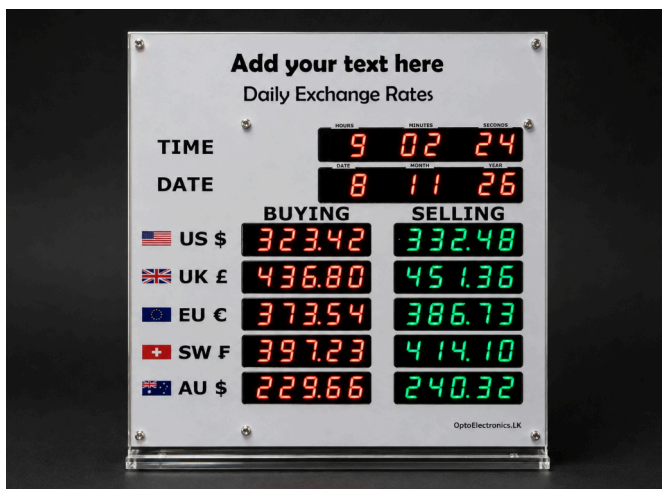
VIEWING DISTANCE
Up to 13.7 m (45 ft)

DATA ENTRY
Wireless USB QWERTY keyboard; large LCD

DIMENSIONS
1219 × 305 × 50 mm

36. DESKTOP FOREX RATE DISPLAY – Bluetooth

FXD-5C-BT



PRODUCT OVERVIEW

A compact desktop display for presenting daily buying and selling rates for five currencies. Rates are updated through a dedicated Android Bluetooth app, which also synchronizes the battery-backed RTC with the phone. Currency codes, flags and app branding can be customized when ordering.

KEY FEATURES

- Five customisable currency rows
- Red buying and green selling rates
- Dedicated Android Bluetooth app
- Automatic phone-time synchronisation
- Battery-backed RTC with retained data
- Custom currencies, flags and app branding

TECHNICAL DETAILS

DIGIT DISPLAY
0.56 in (14 mm) LED seven-segment

MOBILE APP
Android Bluetooth; custom logo on request

CURRENCY CAPACITY
5 currencies; 2-letter codes and flags

TIME SYSTEM
Battery RTC; date; 12/24-hour; phone sync

RATE COLOURS
Buying red; selling green

VIEWING DISTANCE
Up to 4.3 m (14 ft)

RATE RANGE
0.0000 to 99999

POWER & SIZE
12 V, 5 A adaptor; 280 × 300 × 200 mm

ORDER & QUOTATION REQUEST

Use this form to request pricing for catalogue products or a custom LED display system. Complete the relevant details and return the form through WhatsApp, email or an official OptoElectronics.LK social-media channel.

CUSTOMER DETAILS

COMPANY / ORGANISATION

CONTACT PERSON

PHONE / WHATSAPP

EMAIL

PREFERRED CONTACT CHANNEL

ADDRESS / DELIVERY LOCATION

PRODUCT SELECTION

	PRODUCT / CUSTOM OPTION	QUANTITY	COLOUR / CONFIGURATION	NOTES
01	Select product / custom option ▼			
02	Select product / custom option ▼			
03	Select product / custom option ▼			
04	Select product / custom option ▼			
05	Select product / custom option ▼			

CUSTOM REQUIREMENTS / ADDITIONAL INFORMATION

Describe the intended application, display information, control inputs, communication method, alarms, relay outputs or other special requirements.

HOW TO SUBMIT

Send the completed PDF, a screenshot or photograph of this form, or the same information as a message through WhatsApp, email or an official OptoElectronics.LK social-media channel.

ORDERING, WARRANTY & CONTACT

HOW TO ORDER

1. Select the required catalogue product or choose the Custom option.
2. Provide the quantity, colour, configuration and application details.
3. Submit the request through WhatsApp, email or an official social-media channel.
4. OptoElectronics.LK will provide a formal quotation and technical confirmation.

ORDERING TERMS

- Submitting this form constitutes an order or quotation request and is not final order confirmation.
- Prices, payment schedule, quotation validity and delivery period will be confirmed in the formal quotation.
- Custom manufacturing begins after approval of the agreed specifications and receipt of the required advance payment.
- Changes requested after technical approval may affect the price and delivery period.
- Delivery, installation and commissioning charges will be quoted separately where applicable.

WARRANTY

OptoElectronics.LK LED display systems are supplied with a 12-month comprehensive warranty against defects in materials and workmanship under normal use and in accordance with the agreed specifications.

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