

SYSTEM 3000 Network Based Programmable Time Clock

The programmable SYSTEM 3000 IP addressable time clock for your school zone flashing beacons, reduces/eliminates the need to send technicians for updating or modifying school schedules or on-site trouble shooting.

Using your available Internet or private intranet, area Wi-Fi, or a cellular modem along with RF technology, it provides real-time closed-looped management from a central computer or server. The SYSTEM 3000 consists of three items: DLPRO 3000 software, LANG-3000 (gateway), and TC-3000 (time clock).

System communication is established over the network utilizing a secure, IP addressable dedicated port on the host computer and a LANG-3000, positioned anywhere there's a network connection. A secure spread spectrum RF virtual private network (VPN) is created between the LANG-3000 and its associated TC-3000 time clocks.

The SYSTEM 3000 provides immediate 2-way communication with real-time monitoring and control to display clock and LANG status. With DLPRO 3000 software the user sees graphic displays of information about system performance. Within seconds of sending commands the system returns a confirmation. At any time, a single clock, group of clocks, or all clocks can be interrogated to verify status. Background monitoring allows continuous overview of clock/system performance.

The system offers automatic problem reporting. Warning or failure messages are sent to the technicians on-call as well as other designated individuals, reporting low voltage, communication faults, and manual overrides.

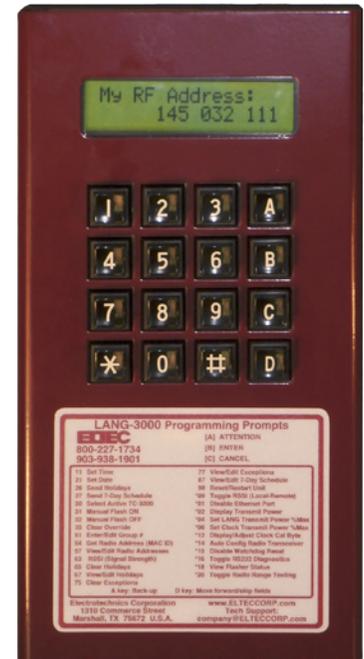
All annual programs are downloaded into non-volatile memory, and are stored in both the LANG-3000 and the TC-3000. Should there be a communication interruption, the flashing beacons continue to operate as scheduled (and, of course, an email notification is sent). Both the TC-3000 time clock and LANG-3000 operate on either 120VAC or 12VDC (solar).

Owning DLPRO 3000 software allows full control and independence of your school zone systems for years, eliminating contracts/arrangements for hosting the programs, which avoids exposure/vulnerability.

Upgrading and replacing your existing time clock with a TC-3000 is uncomplicated. The dimensions allow plug-and-play replacement of the current clock using the same back panel. Depending on the brand, the cable harness may remain the same.

FEATURES

- Built-in Flasher Circuit, AC/DC Power Supply
- Capacitive Backup of Date/Time: 7 Days Minimum; 60 Days Typical
- Display Assistance for Clock Programming
- Automatic Daylight Saving Time and Leap Year Adjustments
- Repeater Function: Clock to Clock—Up to 5 Legs
- System Time Synchronized from Host Computer
- Each Night LANG Syncs Its Time Clocks
- Exceptions: Up to 365 per Year
- Holidays: Up to 20 with Unlimited Days
- LANG Schedule Capacity: Up to 120 Clocks, 6 Individual Schedules
- Over-the-Air LANG Firmware Updates



LANG-3000 (gateway)



TC-3000 (time clock)



SYSTEM 3000

IP Addressable Time Clock

Manage your school zone flashing beacons

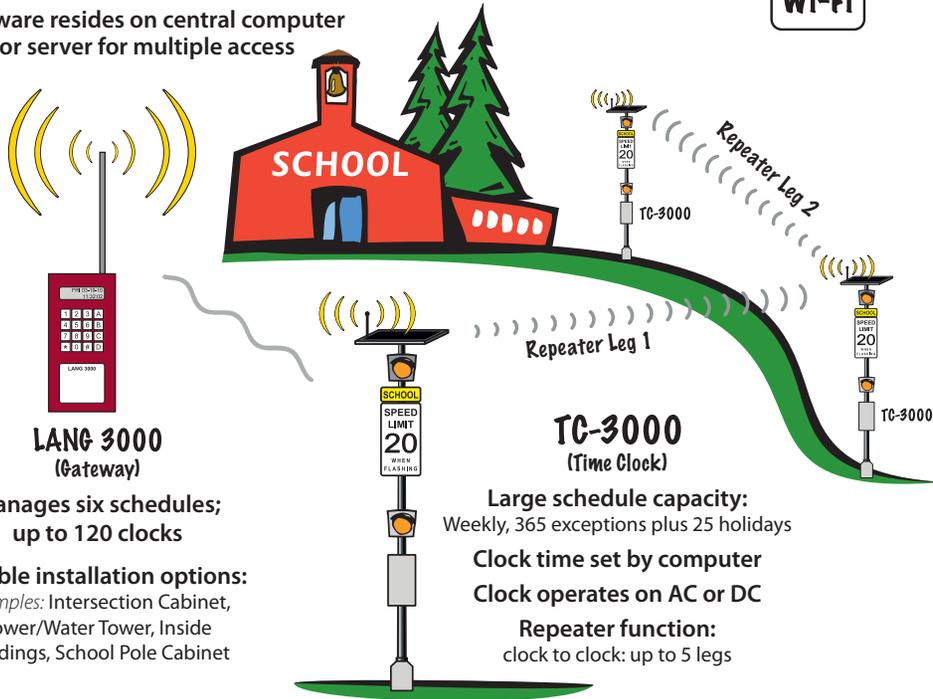
Several Connection Options



DLPRO 3000
(Software)

Manage and monitor school beacons from anywhere

Software resides on central computer or server for multiple access



LANG-3000
(Gateway)

Manages six schedules;
up to 120 clocks

Flexible installation options:

Examples: Intersection Cabinet,
Tower/Water Tower, Inside
Buildings, School Pole Cabinet

TC-3000
(Time Clock)

Large schedule capacity:
Weekly, 365 exceptions plus 25 holidays

Clock time set by computer
Clock operates on AC or DC

Repeater function:
clock to clock: up to 5 legs

The SYSTEM 3000 operates as a stand-alone time-based controller, allowing it to be used anywhere a time-based relay output controller is required.

DLPRO 3000 SYSTEM REQUIREMENTS

Operating System.....	Windows 2000, XP, Vista, 7, or 8	
Memory Requirements.....	RAM.....	Hard Disk
	Used	Used
DLPRO 3000 Host Software.....	18M	1M
Email Server.....	6M	4M
Device Installer (required for system configuration only).....	17M	6M
Data folders/files (average system with 40 clocks).....	---	64K

Network Data Throughput

During schedule programming: 255 bytes for each time clock. Total data transfer for programming weekly schedule, holiday/no school days and exception days.

During system monitoring: Data throughput varies according to the number of time clocks per LANG. 20 bytes per time clock. Monitor cycle time is user configurable.

Note: Remote software updates available at no charge.

LANG-3000/TC-3000 SPECIFICATIONS

Dimensions.....	8 1/4" H x 4 1/4" W x 1 3/4" D
Display.....	2 Lines x 16 Characters LCD
Keypad.....	16-Key, Telephone Style for Direct Programming
Outputs (TC-3000 only).....	1 or 2 SPDT, Rated at 16A/120VAC
Back-up Power.....	Capacitive: 7 day Minimum; 60 Day Typical
Supply Voltage.....	6-22VDC/85-260VAC; 47-440 Hz
Power Required.....	2.5 Watts
Internal DC Flasher.....	12/24 VDC 60 Watts
Temperature Range.....	-34° C to +74° C
Electrical Connection.....	CPC with 48 inch Cable

Note: An additional 2 inches of clearance is required in the cabinet below the LANG-3000 and TC-3000 for the CPC connection.

For more information or a price quote, contact ELTEC or your local ELTEC Dealer.

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