



SYSTEM 3000

Network Based Programmable Time Clock

The SYSTEM 3000 network based programmable time clock for your school zone flashing beacons, reduces/eliminates the need to send technicians for on-site trouble shooting or changing/modifying programs.

The SYSTEM 3000 consists of three Items: DLPRO 3000 software, LANG 3000 (gateway), and TC-3000 time clock. It utilizes the internet or private intranet and RF technology, eliminating paging or cellular fees. It provides real-time, closed-loop management from a host computer.

System communication is established over the network utilizing a secure, IP addressable dedicated port on the host computer and an on-site local area network gateway (LANG). A spread spectrum RF virtual private network (VPN) is created between the LANG 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. Within seconds of sending commands the system returns a confirmation of message reception. At any time, a single clock, group of clocks or all clocks can be interrogated to verify status.

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

All program schedules are downloaded into non-volatile memory and are stored on both the LANG 3000 and the TC-3000 time clock. Should there be a system interruption, the flashing beacons continue to operate as scheduled (and, of course, an email notification is sent).

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.

The TC-3000 time clock has an internal flasher and is equipped with one independent output relay for controlling any DC or single-phase AC device. Both the TC-3000 time clock and LANG 3000 operate on either 120VAC or 12VDC (solar).

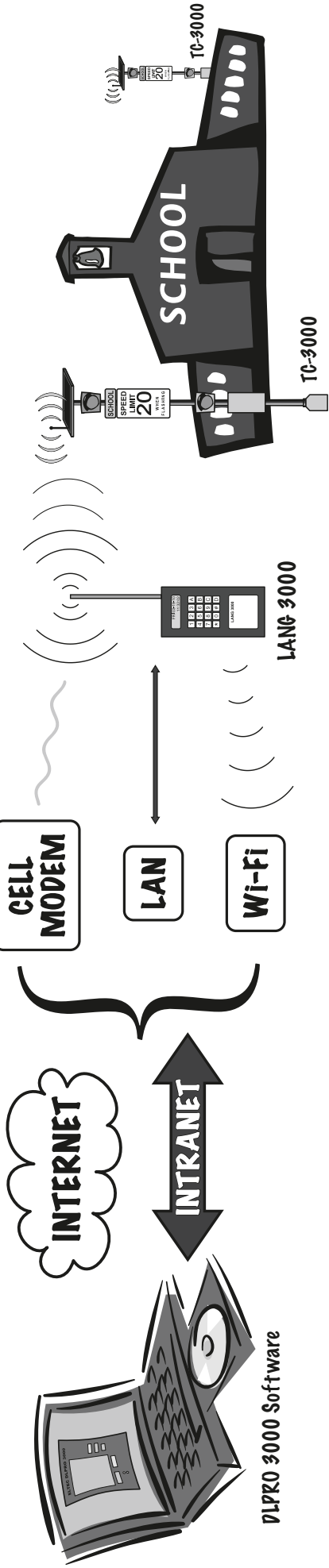
The DLPRO 3000 software runs on Windows operating systems (2000, XP, Vista, and 7).

FEATURES

- Real-Time Process Control
- Non-volatile Memory for Programmed Schedule
- Capacitive Backup of Date/Time: 7 Days Minimum; 60 Days Typical
- Display Assistance for Clock Programming
- Automatic Daylight Savings Time and Leap Year Adjustments
- Automatically Tracks and Maintains Time from the Host Computer
- Built-in Flasher Circuit, AC/DC power supply

The system consists of three items:

TC-3000 time clock, DLPRO 3000 software, and LANG 3000 (gateway to clocks)



DLPRO 3000 SYSTEM REQUIREMENTS

Memory Requirements..... RAM Used..... Hard Disk used
 DLPRO 3000 Host Software.. 18M..... 1M
 Email Server..... 6M..... 4M
 Device Installer..... 17M..... 6M
 (required for system configuration only)
 Data folders/files..... ----..... 64K
 (average system with 40 clocks)
 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. Four minute rest intervals between each LANG monitored.

LANG 3000/TC-3000 SPECIFICATIONS

Dimensions..... 9 1/4" H x 4 1/4" W x 2" D
 Display..... 2 Lines x 16 Characters LCD
 Keypad..... 16-Key, Telephone Style for Direct Programming
 Outputs (TC-3000 only)..... 1 SPDT, Rated at 16A/120VAC
 Back-up Power..... Capacitive: 7 day Minimum; 60 Day Typical
 Line Voltage..... 6-22 VDC/85-260VAC; 47- 440 Hz
 Power Required..... 2.5 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.

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