TimeSync1–GPS

Time Sync For Drifting Intersection Controllers

Surprisingly many intersection traffic lights don't stay synchronized impeding traffic flow, irritating drivers and wasting the signal shop's time. ELTEC's **TimeSync1–GPS (TS1–GPS)** provides the easy and very economical solution for preventing drifting intersection controllers.

BENEFITS

- Universally Compatible
- Easy Installation: Power, Ground & Time Reset Input
- Simple User Interface—No Switches or Jumpers
- Easy to Program: Six Parameters
- Affordable at less than $500!

Programming is done using an uncomplicated, easy to reach thumb wheel with only six parameters to configure: hour, minute, time zone, Daily Savings Time (DTS), frequency of reset, and rising or falling edge reset. The time selection is flexible with the choice of the hour and minute for reset. Should the AC power to the controller be exceedingly "dirty" causing the controller's clock to drift dramatically, resets can be done every hour. Alternatively, resets can be programmed for every 3, 6, 12 hours or just once a day.

The time reset input function is accurate to 100 milliseconds. It cannot be interrupted even when navigating the programming menus. The memory is nonvolatile, retaining the programming with loss of power.

The **TS1–GPS** operates at 8–40 volts DC. Because it uses the intersection controller's power and GPS technology, no trenching between controllers is required.

The **TS1–GPS** automatically adjusts to daylight savings time and has a programming option to disable DST should you live in an area that does not observe it (Arizona & Hawaii for example).

Installation is simple with three wires: power, ground and the time reset input connections and comes ready-to-install. The control unit mounts with a 35 mm DIN Rail clip on existing DIN Rail or with a four inch piece provided in the installation kit.

FEATURES

- Uses the Traffic Controller's Time Reset Input
- Flexible Time Selection: schedule the hour & minute for reset
- Reset Options: schedule 1, 3, 6, 12, or 24 times a day
- Easy to Configure–Six Parameters: hour, minute, time zone, DTS, reset frequency, falling or rising edge trigger
- Time Reset Cannot be Interrupted while Navigating Menus
- Nonvolatile Memory: program retained with power loss
- Flexible Power: runs off 8–40 volts DC
- All Solid State: no moving parts
- Passive: no transmitting equipment
- Automatically Adjusts to Daylight Savings Time with Option to Disable
- Easy to Read High Contrast LCD Screen

TimeSync1–GPS SPECIFICATIONS

Dimensions	4" H x 5½" W x 1¼" D
Input Voltage Range	8 volts DC to 40 volts DC
Power	8–40 VDC, 100 mA
Control	Isolated Open Collector Output

Preferred Vendor for

ECONOLITE Safetran

ELECTROTECHNICS CORPORATION
1310 Commerce Street
Marshall, TX 75672

800-227-1734 903-938-1901 Fax 903-938-1977

sales@elteccorp.com