

### TimeSync1-GPS and TimeSyncD-GPS

Surprisingly many intersection traffic lights don't stay synchronized, impeding traffic flow, irritating drivers and wasting the signal shop's time. ELTEC's TimeSync-GPS units provide an easy and economical solution for preventing time drift by establishing Time Based Coordination (TBC) between multiple controllers.

#### TimeSync1-GPS BENEFITS

- Universally Compatible with Major Controller Brands
- Interoperability: Allows Coordination between Multiple Controller Brands
- Internationally Adjustable: Programmable to 24 Time Zones
- Easy Installation: Power, Ground & Time Reset Input
- Simple User Interface—No Switches or Jumpers
- Easy to Program: Six Parameters
- Very Affordable



Programming is done using an uncomplicated thumb wheel with only six parameters to configure: hour, minute, time zone, Daylight Saving Time (DST), frequency of reset, and rising or falling edge 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 cannot be interrupted even when navigating the programming menus. The memory is nonvolatile, retaining the programming with loss of power.

The TimeSync1-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 TimeSync1–GPS automatically adjusts to daylight saving time and has a programming option to disable DST should you live in an area that does not observe DST (Hawaii or an international time zone for example).

Installation is simple with three wires: power, ground and the time reset input (logic ground) 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 Function
- 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, DST, reset frequency, falling or rising edge trigger
- World Time Zones: programmable for all 24 time zones
- 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 Saving Time with Option to Disable
- Easy to Read High Contrast LCD Screen
- 25 Month Warranty



Front and back of TimeSync1-GPS with DIN Rail and clip.



TimeSync1-GPS mounted inside cabinet using DIN Rail.

## TimeSync1–GPS SPECIFICATIONS

Dimensions.....	4" H x 5½" W x 1¼" D
Power Requirements.....	8–40 VDC, 100 mA
Control.....	Isolated Open Collector Output
Temperature Range.....	-34°C to +74°C

## TimeSyncD–GPS

Should the controller’s software be able to accept GPS satellite data, we offer a custom direct serial interface (NMEA Standard 0183) with integral power connection leads (8–40 VDC). Available with DB9 or DB25 serial connector. Contact ELTEC to discuss the specific requirements for your traffic controller.

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

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