

STS-22 GPS Satellite Time Sync

Orange Traffic

Synchronize all your intersections using a single GPS receiver module, regardless of traffic controller make.



Description

The STS-22 maintains the **accuracy** of your equipment's **internal clocks** and remains **perfectly synchronized** at all times, including after power outages. Indeed, it uses the GPS time signal to automatically readjust itself. This signal is perfectly stable and eliminates the risks of thermal drift deregulation. The module can be plugged into any standard NEMA or 170 detection cabinet and is equipped with a practical backlit **multipurpose display** that enables onsite configuration and status monitoring.

The STS-22 eliminates the cost of running underground cables as well as radio communication and clock resetting fees and minimizes maintenance costs. It's an unbeatable **economical** solution!

Specifications

Main characteristics

- Transmission capacity of time AND date (day, month, year) through a serial link to any make of controller
- Dual means of configuring the system and internal firmware: using the Windows software provided or the front-mounted multipurpose display
- Optocoupler contact output to synchronize the clocks of older-generation controllers that are not equipped with a direct communication device
- Operates in 120 VAC or 10-30 VDC mode depending on the cabinet's supply voltage
- Possibility of generating power outage reports
- Discrete antenna that reduces the risks of degradation and interference during installation and improves overall appearance

Technical characteristics

- Current draw: 60 mA max. (44 mA Typ) at 24 VDC – 105 mA max. (78 mA Typ) at 12 VDC
- Operating temperature range: -40 to +80°C
- Dimensions: 178 x 114 x 29 mm (7 x 4 1/2 x 1 1/8 in.)

Fully compatible controllers*

- Peek 3000 and TCT
- Econolite ASC/2
- Econolite ASC/2M
- Econolite 8000
- Traconex
- NTCIP
- 170 (Wapiti) (Master/Slave)
- SSM HD Wavetronix
- Naztec
- EPAC 300

*Personalized support available for other controllers.

Exclusive to the STS-22

- Selection of the time change date (summer/winter)
- Selection of the type of controller
- Multiple choices of controller time update frequencies: from once a minute to once a day (at midnight)
- Immediate update following a power outage even if the controller's battery is discharged (enables the controller to reboot with the correct time)
- Serial communication: RS-232 and USB
- Windows configuration software
- Possibility for the client to update the firmware
- Configuration of parameters using front-mounted switches (eliminating the need to open the cabinet)
- Display of the number of satellites

Miscellaneous

- SMA connector for receiving satellite signals

For more information: 1 800 363-5913

Created on 09.08.2025 at 09:44:31 EDT