Remote/Preprogrammed GPS Switch

Remote or Preprogrammed RF Switch for GPS Vulnerabilities Mitigation

Remote/ Preprogrammed GPS Switch is a standalone module which allows for remote or preprogrammed disconnection of a GNSS antenna input

Features

- Real bi-directional isolation
- Programmability for premeditated disconnection of antenna feed
- Remotely accessible for immediate disconnection/ connection of GNSS
- Physical disconnection response time < 10ms
- GUI response time < 1s
- Supports full L1 & L2 GNSS

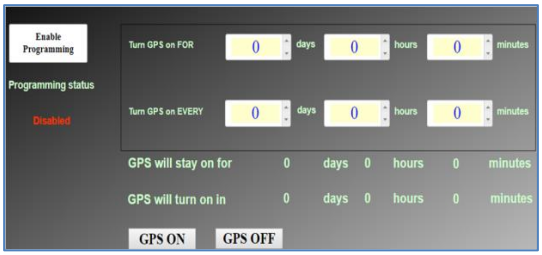
Specifications

- Power supply 220V or 110V (optional)
- 50 Ω nominal
- Connectors: SMA-F
- Size (mm): 200 (w) X 145 (d) X 155 (h)
- Operating temperature range: 0°C – 50°C
- Mounting: Rack mountable using industrial Cable Ties or wall mountable using screws

2 modes of operation: Remote Control or Preprogram

Remote Control: By connecting remotely via a LAN interface to its programmable IP address, the user may connect and disconnect the antenna feed at the click of a button.

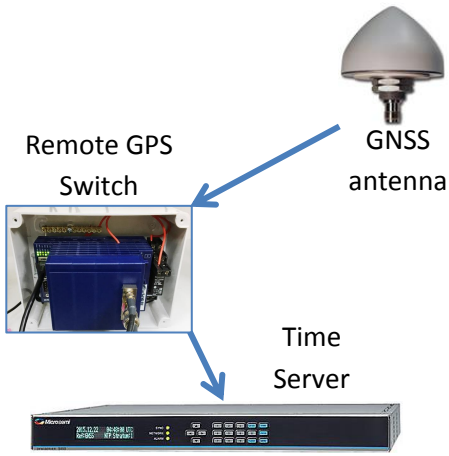
Preprogrammable Control: In case a LAN connection to the GPS switch is not possible or not desired, the user can preconfigure the period of time wheat which the GPS will be on. This means that according to a predefined schedule the GPS antenna feed will be on and the rest of the time off.



Application: Reducing the GPS Risk

The Remote / Preprogrammed GPS Switch allows the user to minimize and limit the exposure to GPS vulnerabilities such as GPS spoofing or jamming. By using the "Preprogrammable Mode" the user automatically limits the antenna feed to the time server. This automatically reduces the risk of being affected by a temporary GPS attack. The "Remote Mode" allows for an instantaneous disconnection from the GPS world. This mode should be used when an instruction from the authorities is given regarding an imminent threat.

Typical Installation



The Only Secure GPS Isolation Solution

Unlike any other solution in the market today, the Remote / Preprogrammed GPS Switch is a standalone solution completely separate from the Time Server. Other solutions in the market are embedded SW solutions in the Time Server itself which do not offer true RF isolation. The Remote GPS Switch is a HW based solution which does not only cut off the DC feed to the GPS antenna but also cuts off the actual RF signal coming from the antenna to the Time Server. This allows for true RF isolation protection.

Focus-Telecom
7 Haeshel st. Ceasarea Industrial Zone (South)
P.O.Box: 3558, ISRAEL, 3088900

Web: www.focus-telecom.com
Tel: +972-4-6273111
Fax: +972-4-6270666