

## netGauges.net Series

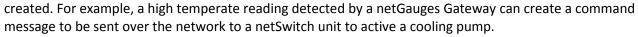
## netSwitch - Remote Switch Interface Unit

netSwitch interfaces to Ethernet or 802.11 b/g wireless networks and provides remote control of up to 12 separate 15 amp relays. netSwitch can be used stand-alone (AdHoc) with any tablet/iPad/iPhone/SmartPhone or attached wirelessly to a local router (infrastructure) for network control. netSwitch is also compatible with new MiFi cellular based devices, GPRS modems, and personal HotSpots for remote internet access within coverage areas.

A Built-in Server hosts Web pages that allow user control of any of the SPST circuits. The netSwitch web pages are completely customizable using the browser interface to match any installation. All positions can be custom labeled. Current switch state is constantly monitored and shown on the browser page. Up to 16 different units can be monitired and controlled.

New Generation-2 features allow the adapter to receive commands directly from netGauges.net<sup>™</sup> gateways over an existing Ethernet or wireless network connection. This advanced feature allows any netGauges Analog Sensor gateway to control switching relays based on sensor alarm thresholds. In addition, netSwitch can also receive commands from the HelmSmart Cloud service allowing for centralized control. The HelmSmart service can actively monitor 1000's of networked sensor signals and remotely command relays in response to trigger events.

When paired with a netGauges Analog Sensor Gateway, a complete stand-alone closed loop control system can be



A key feature of the netSwitch unit is the built-in 8 amp 12VDC DC-DC power supply that can operate from 6VDC to 34VDC. This provides reliable voltage to hold all relay states during momentary power interruptions and brownout conditions common when starting heavy DC loads.

The rugged water-resist design features four Deutsch style DT series plugs for secure connections and easy installation. Dual 12 lead harnesses supply the SPST circuits using 16 gauge insulated wire rated to 15 Amps at 110 VAC. A third harness adds USB port and 12VDC rated power supply inputs. A 4-pin twist-lock Conxall Mini connector provides the Ethernet interface with included mating 15' Cat5 patch cable. This design prevents cable engagement failures common with RJ45 connectors and provides enhanced environmental protection.



Model Number	NSENETG2	NSWiFiG2	NSWiFiPro
Interface	Ethernet	WiFi – 2.4Ghz	WiFi – 5Ghz
Switch Inputs	12	12	12
DC-DC Power Supply  Input - 6VDC to 26 VDC  Max Power 100 Watts  Output - 12VDC@4Amps	Ø	Ø	☑
Aux Voltage Output  • 12VDC @ 8 Amps  • 5 VDC @ 10 Amps	Ø	Ø	☑
SD Memory Storage (removable)	4GB	4GB	4GB
Serial Port (RS232)/USB Port  • Supplied weather-resist USB - 2m  • Supplied PC Instrumentation S/W for live view	Ø	☑	☑
Ethernet Port (10/100 Base-T)  • Supplied weather-resist RJ45 patch cable-3m  • 5-pin micro Twist-lock connector	☑		☑ -
WiFi Port (802.11 b/g) 2.48 GHz  • Supplied 6" di-pole or Optional remote Antenna  • Range of 300'		Ø	
WiFi Port (802.11 b/g/n) 5 GHz  • External Amplified via Ethernet (POE)  • Range of 5000'			☑
Embedded Web Server  • Included Web Pages for live view	☑	Ø	☑
Network Protocols	☑	Ø	☑
Remote Access via Internet  • Direct Push to netGauges.net	Ø	Ø	☑
Power Supply Supply Current	9V-32V DC 800 mA	9V-32V DC 800 mA	9V-32V DC 850 mA
Enclosure Material Dimensions	Thermoplastic 7"x5.6"x2.15"	Thermoplastic 7"x5.6"x2.15"	Thermoplastic 7"x5.6"x2.15"