



## ***TP-SWxxNC-OUT*** *Outdoor POE Switch*

- Wireless Base Stations
- Surveillance Systems
- Sensor Arrays



***Congratulations!*** on your purchase of the TP-SWxxNC-OUT outdoor POE switches. Please take a moment to review this Qwik Install Guide before assembly.



**Recommended Tools:** Phillips Screwdriver, 10mm wrench



## Qwik Install

**STEP 1:** Install the POE switch into the housing leaving adequate room for CAT5 cables. Velcro strips have been included for easy and secure installation of the POE switch into the housing.

**STEP 2:** Install the switch housing to a pole using the included U-bolts or your supplied hose clamps. You can also mount to a wall using your supplied screws. Always mount with the CAT5 cables exiting the bottom of the unit to maintain weatherproofing. Tighten securely but don't over-do it and crack the housing.

**STEP 3:** The switch can be powered via POE into the uplink port or with a DC source connected to the switch green wire terminal connector or both. So the switch can be powered with a primary and backup power source if desired. Whatever voltage is used to power the switch, that is the same voltage that appears on the POE output ports.

**STEP 4:** Route CAT5 cables thru the feedthroughs. Each feedthrough can accommodate up to two CAT5 cables or DC Cable.

**STEP 5:** Power up the switch by applying power via POE or DC connector. Observe the LEDS for proper operation.

*Link* (Green On)

*Activity* (Green Blinking)

*POE Detect* (Yellow On)

*POE Detect Error* (Yellow Blinking)

*Power On* (Green On)

*Power On Alarm* (Red On)

**STEP 6:** Do not rely on the RJ45 connectors to support the CAT5 cable by itself. Add some strain relief inside the enclosure and outside the enclosure. Inside the enclosure can use a simple tie-wrap around each wire or group of wires so the weight of the wires outside the enclosure aren't pulling on the switch connectors. This will lead to failure over time. Outside the enclosure tie wrap the cable bundle and attach to the pole or mount to support the cable weight.

**STEP 7:** Button it up by checking the rubber gasket is free from any contamination then installing the cover and tightening the 4 screws.

## Specifications

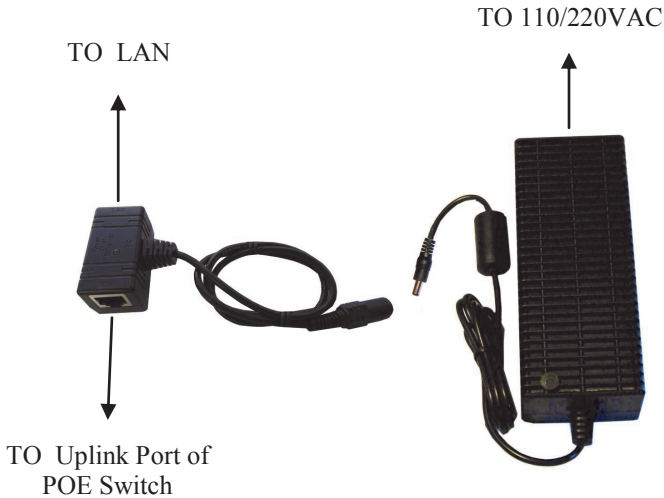
	TP—SW5GNC-OUT	TP-SW8NC-OUT
Operating Voltage	12 to 57 VDC	
POE Port Current	2A Max	
POE Ports	1 Uplink, 4 POE Out	1 Uplink, 7POE Out
Wire Terminal Input Current	10A Max	
Transmission Speed	1000/100/10mb	100/10mb
Self Consumption Power	<3W	<1.5W
Operating Temperature	-20 to +75°C (-4 to +167°F)	-40 to +85°C (-40 to +185°F)
Operating Humidity	100% IP65	
Case – Color	UV Protected ABS—Light Gray	

## TECH CORNER

### *Additional Information you may find useful*

- 1. POE CAPACITY:** The upload port of the POE Switch can handle up to 2A current at the input. If powering via the POE Uplink port make sure your total load does not exceed 2A or it will affect the proper operation of the switch.
- 2. WIRE TERMINAL:** If DC power is supplied thru the green wire terminal connector, the current limit is 10A. If DC power is supplied through the POE uplink port, the voltage will also be available on the wire terminal connector and can be used for other uses.
- 3. CHANGING VOLTAGE:** If you need to change the operation of the switch from one voltage to another, it can be easily retrofitted just by using a different DC voltage source.

## POE Powered Installation



### Limited Warranty

The TP-SWxxNC-OUT products are supplied with a limited 24 month warranty which covers material and workmanship defects. This warranty does not cover the following:

- Parts requiring replacement due to improper installation, misuse, poor site conditions, faulty power, etc.
- Lightning or weather damage.
- Physical damage to the external & internal parts.
- Products that have been opened, altered, or defaced.
- Water damage for units that were not mounted according to user manual.
- Usage other than in accordance with instructions and the normal intended use.