



NETDIMMER

INSTALLATION EXAMPLES

NETDIMMER MESH GATEWAY

- Central wireless gateway controller
 - Interface to local internet access point via Wireless or Ethernet
 - Links up to 128 separate wireless driver modules
 - Mixed driver options (TRIAC, 0-10VDC, Direct DC PWM)
- Distributed LED drivers
 - Self-healing network (continues to operate if node is off-line)
 - Spans very large distances (up to 100 miles)
 - Multiple lights per module (up to 24 depending on wattage)
 - Off-line detection
 - Amp sensor in each driver reports back to central gateway



WIRELESS MESH NETWORK

netDimmer
wireless
mesh
gateway

Mesh Wireless
Driver (range to
4000 ft)

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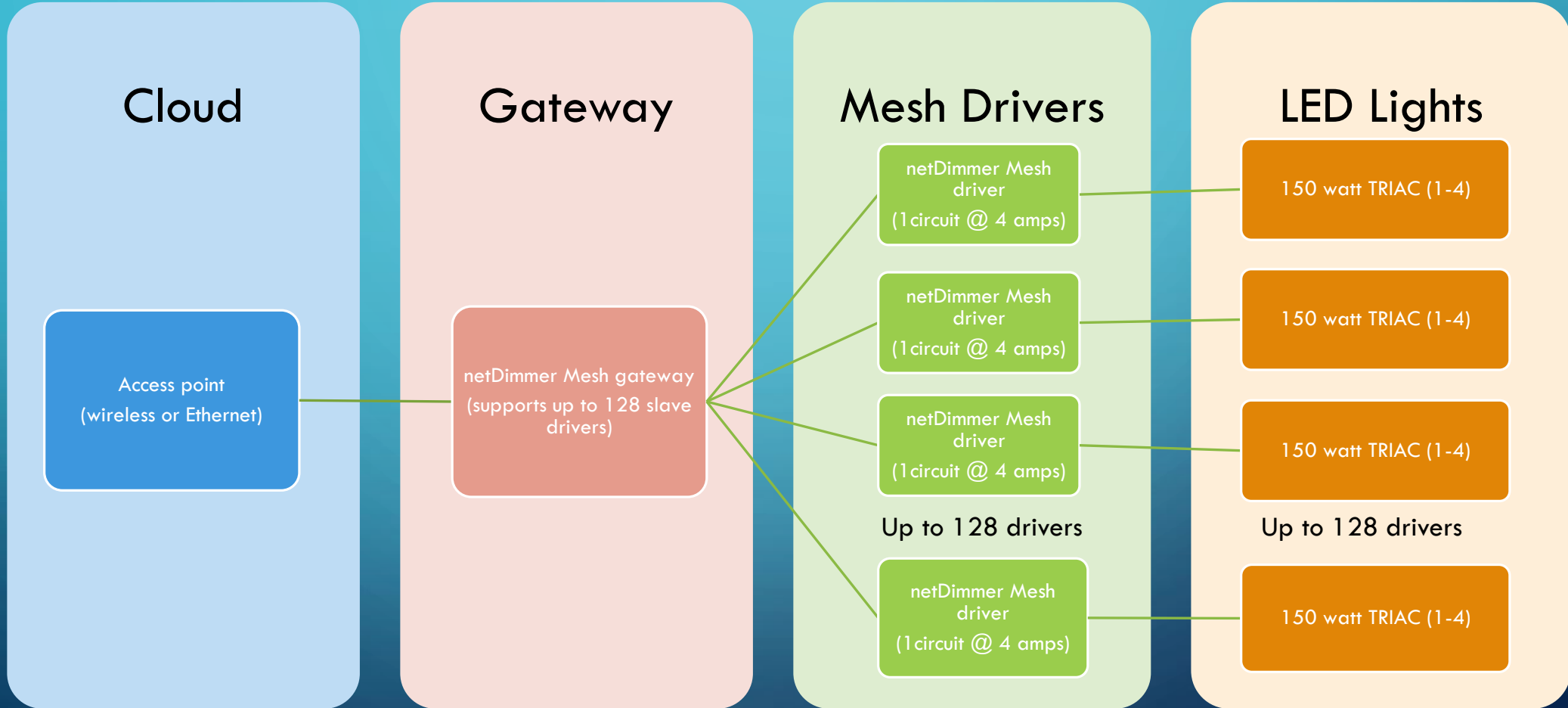
Mesh Wireless
Driver (range to
4000 ft)

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Driver (range to
4000 ft)

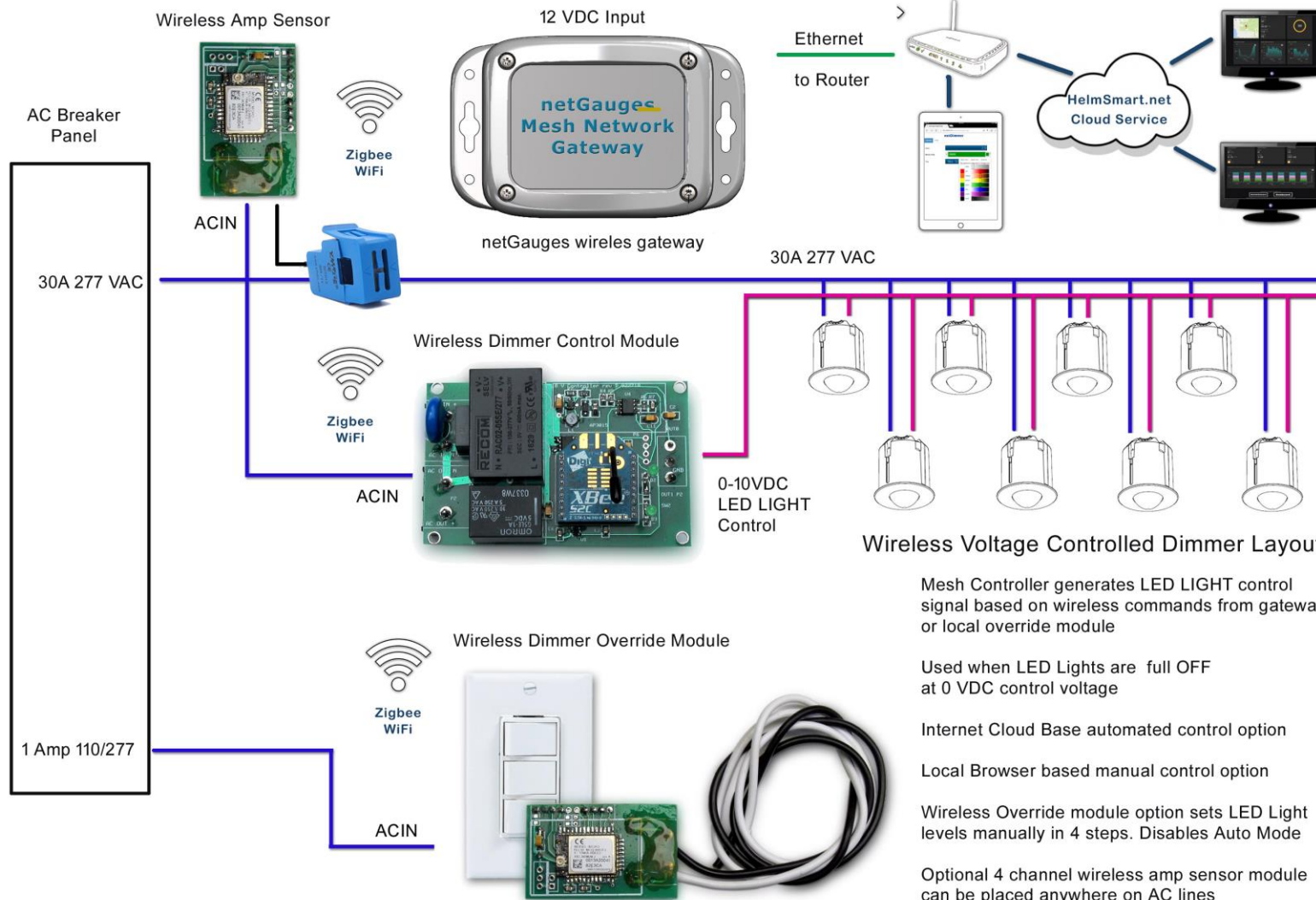
Mesh Wireless
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NETDIMMER MESH GATEWAY



NETDIMMER – MESH NETWORK



Mesh Controller generates LED LIGHT control signal based on wireless commands from gateway or local override module

Used when LED Lights are full OFF at 0 VDC control voltage

Internet Cloud Base automated control option

Local Browser based manual control option

Wireless Override module option sets LED Light levels manually in 4 steps. Disables Auto Mode

Optional 4 channel wireless amp sensor module can be placed anywhere on AC lines

NETDIMMER – WIRELESS LED DRIVERS (0-10V CONTROL)

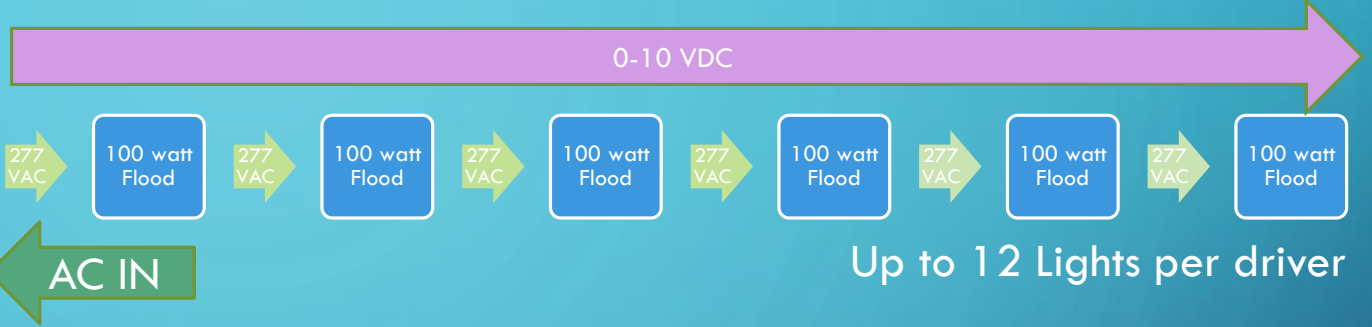
netDimmer mesh Override

Wireless range of 1000'

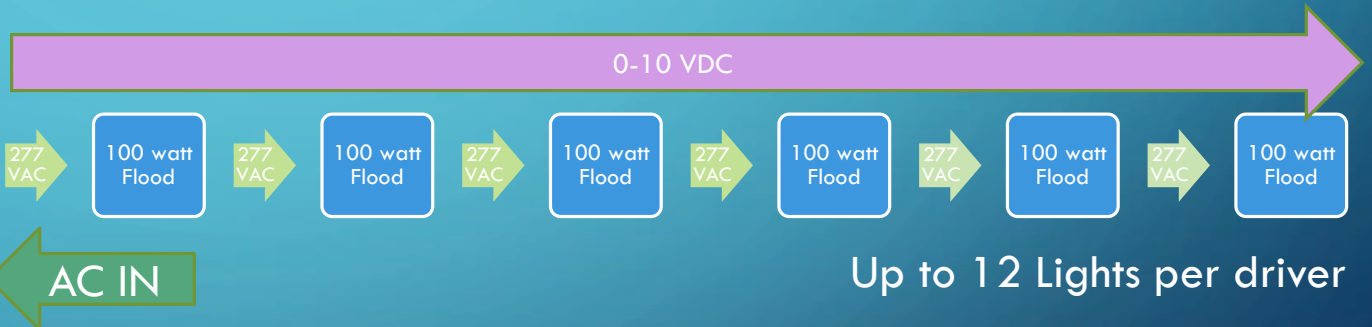
1 Gang wall box with 3 position SPST controller – 4 programmable light levels



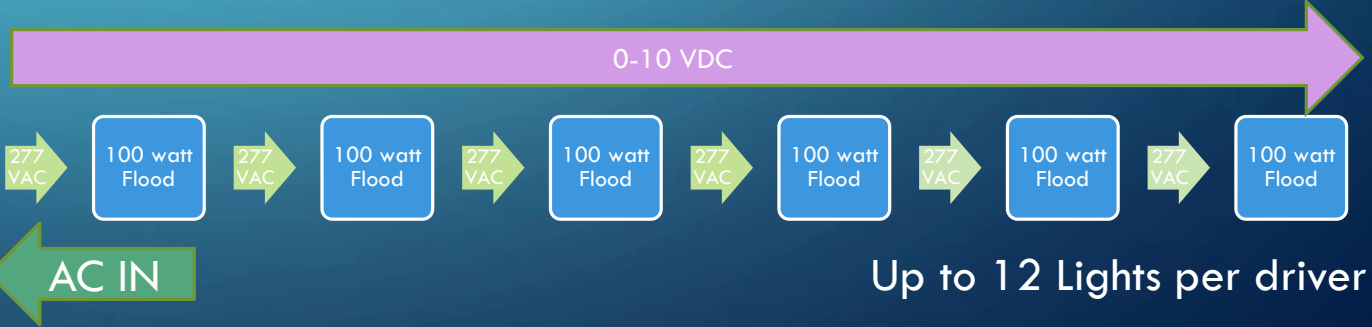
netDimmer mesh module
0-10V control driver 15 Amps max (switched AC)



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0-10V control driver 15 Amps max (switched AC)



Up to 128 mesh modules per gateway

NETDIMMER - MESH NETWORK CONTROLLER

- Self contained 1 channel driver
 - Voltage Controlled LED lights (0-10VDC)
 - 2 Amp output can drive multiple lights
 - Up to 24 lights per channel (depends on wattage)
 - AC input (277 VAC)
- Optional Amp Sensor input
 - Clamp style to 30 Amps
- Links to local internet access point
 - Wireless (802.11 b/g)
 - Ethernet 10/100
- Cloud base control
 - Scheduled light levels
 - Remote monitoring



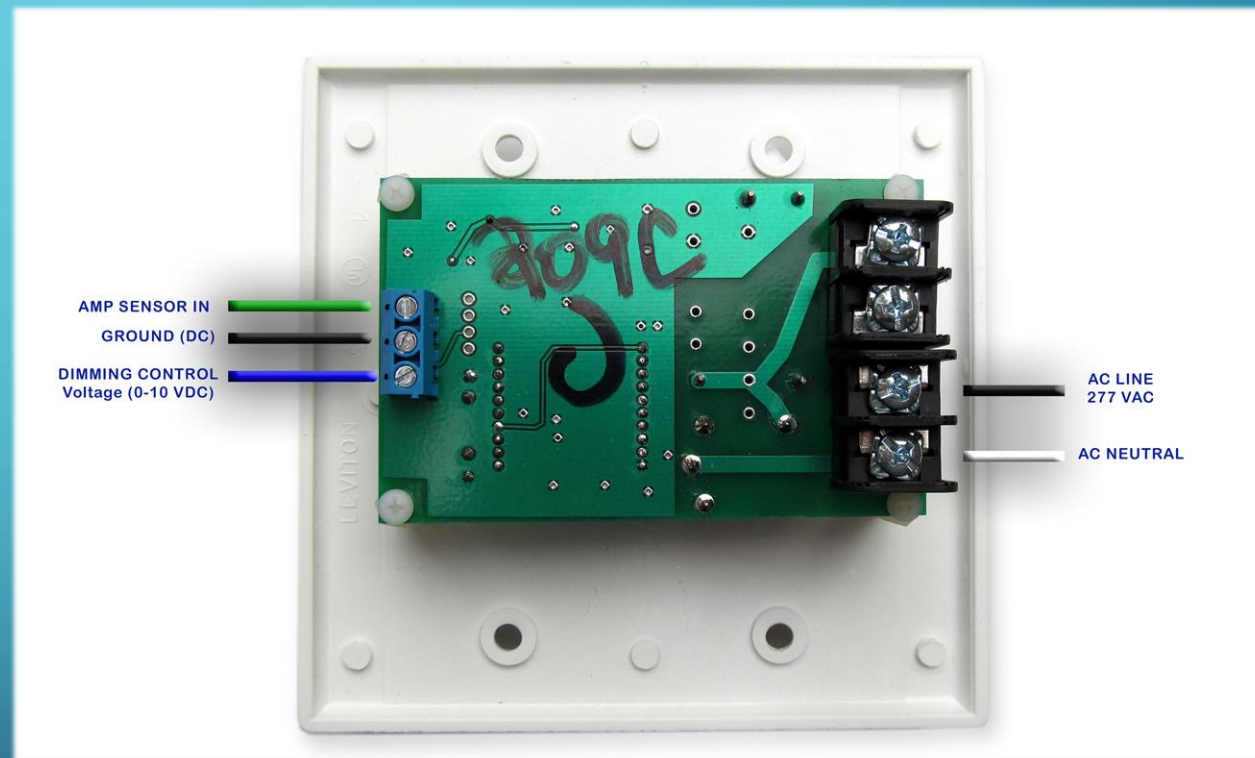
NETDIMMER - MESH NETWORK CONTROLLER

- 2-Gang Wall box – standard
- AC power supply (277 VAC)
- 1000' wireless range
- External antenna
- LED indicator lights



NETDIMMER - MESH NETWORK CONTROLLER

- AC Line voltage isolated from DC
- Connect multiple LED Lights (0-12)
- 0-10VDC output @2A
- Optional current sensor input (Clamp style to 30 amps)



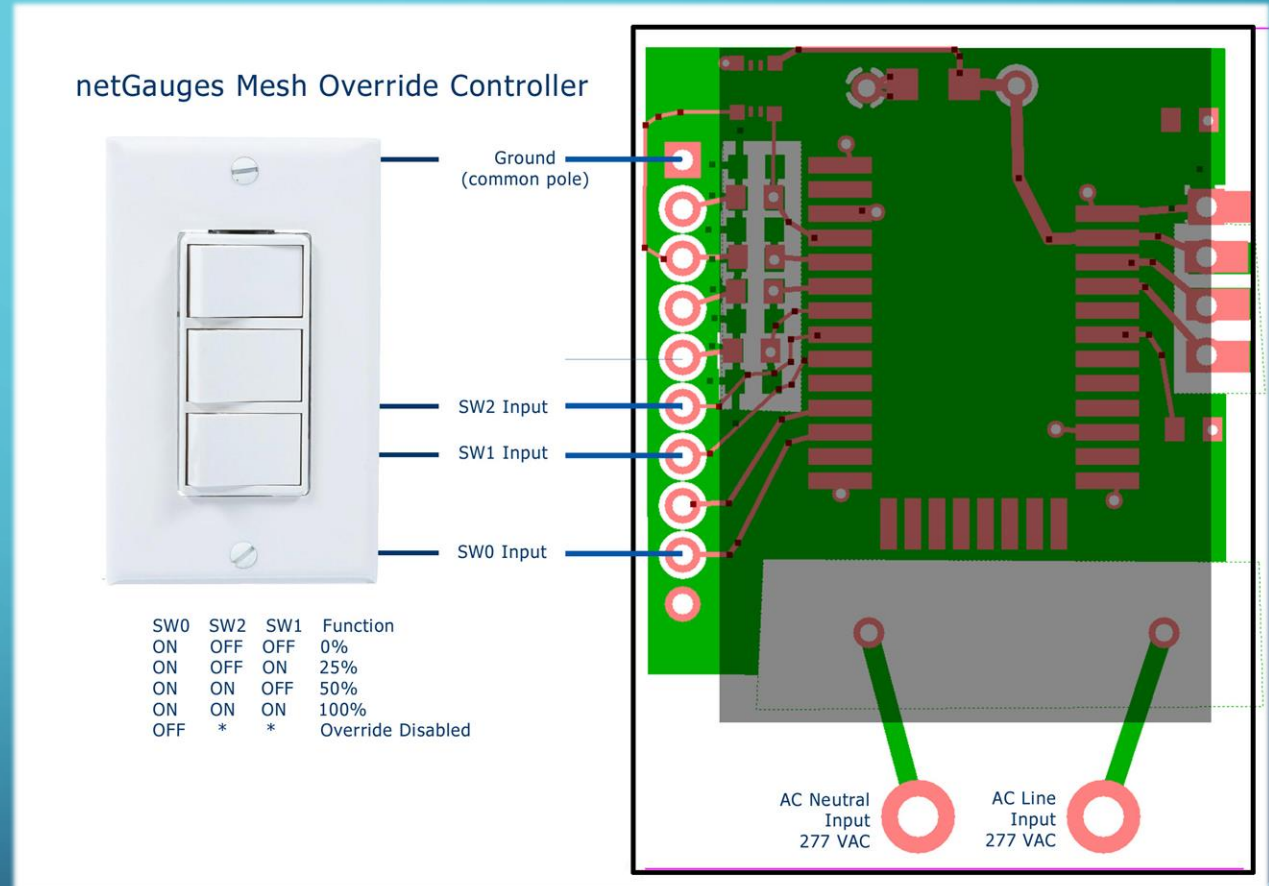
NETDIMMER – WIRELESS OVERRIDE

- Manual override of mesh Dimmer modules
 - Communicates directly with mesh Controller
 - 4 – preprogrammed dimming levels
 - Auto-mode override
 - AC isolated
- Single gang wall box
 - Standard 3 function wall switch
- Links to local internet access point
 - Wireless (802.11 b/g)
 - Ethernet 10/100
- Cloud base control
 - Scheduled light levels
 - Remote monitoring



NETDIMMER – WIRELESS OVERRIDE

- Standard 3 position rocker wall switch
 - DC only (3.3V)
 - Common Ground
 - 4 preset dimming levels
 - Auto-mode override
- Fits in 1 gang wall box
 - Standard triple switch plate
- Links to local internet access point
 - Wireless (802.11 b/g)
 - Ethernet 10/100
- Optional Cloud base control
 - Scheduled light levels
 - Remote monitoring



NETDIMMER – WIRELESS OVERRIDE

- Single gang wall box
- External antenna option
- Recommend PVC to increase wireless range
- Fits behind 3-circuit wall switch



NETDIMMER – MESH DIMMER

- Chetco Digital Instruments
- www.netgauges.net
- Designed and built in Oregon, USA
- (541) 469-4783 PST