


INSTALLATION INSTRUCTIONS

IOT Buddy

**Power Over Ethernet (POE), Ethernet,
or Wireless 2.4 GHz**

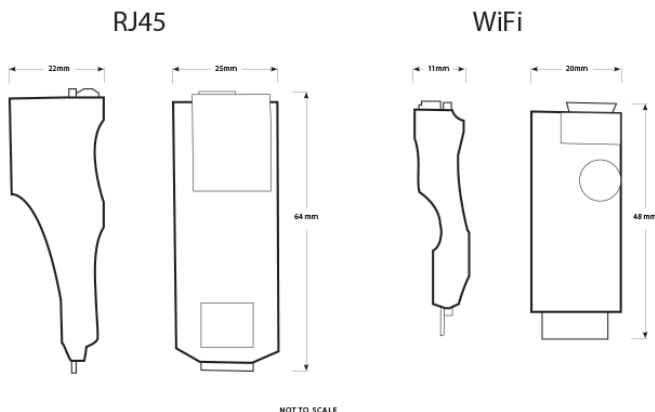
0-10V or
4-20mA
Analog Signals



PRODUCT APPLICATION LIMITATION:

Senva products are not designed to be used as the lone device for life or safety applications. Senva products are not intended for use in critical applications such as nuclear facilities, human implantable device or life support. Senva believes a systems approach to safety is necessary for these types of applications. Senva is not liable, in whole or in part, for any claims or damages arising from such uses.

DIMENSIONS



INSTALLATION

1. Wire device made on input model.
2. Once powered, IoT Buddy will host an access point for 5 minutes. To re-enable the access point, press the button on the IoT Buddy.

For set up with smart phone:

If you are setting up the device with a smart phone, scan device QR code to access the portal to set up the device. You can access the user interface guide below with the QR code.

For set up with computer:

1. If you are setting up the device using a laptop, open your Wi-Fi network page and find the IOTB that matches the serial number printed on your IoT Buddy label.
2. Go to <https://4.3.2.1>
3. Your browser may indicate a non-private connection. Find the "proceed" button near the bottom of the warnings; you may need to click the subtle link labeled "advanced" or "show more" first.
4. Log in using the default credentials:
 - username: admin
 - password: admin
5. Access the user interface guide below with the QR code. for network setup.



LED STATUS/INDICATION

Normal Mode:

Off=Not Configured
Steady= No Connection
Slow Blink = Connected to device
Fast Blink= Connected to cloud service

Setup Mode:

Off=Button Held (Hold for 3 seconds)
Slow Blink = Commissioning Mode
Fast Blink= Hold to Initiate Factory Reset

IMPORTANT!

IMPORTANT WARNINGS

- Only qualified trade installers should install this product
- This product is not intended for life-safety applications
- Do not install in hazardous or classified locations
- The installer is responsible for all applicable codes
- De-energize power supply prior to installation or service
- Forming a "drip-loop" (allowing tubing to dip below the level of the sensor hose barbs) is recommended to protect the sensor from damage caused by condensation.

WIRING DIAGRAMS

Analog Input

	Red	24VDC/AC
	Black	Ground
	White	Analog 1
	Yellow	Analog 2

Comms Input

	Red	24VDC/AC
	Black	Ground
	White	RS485A(+)
	Yellow	RS485B(-)

SPECIFICATIONS

Power supply	4 Wire Flying Leads	12-30VDC/24VAC, 1W max, 100mA max. POE power to Sensor: 24vdc 5W max.
Analog Inputs	2 Programmable Inputs	0-10V and 4-20mA (selectable) 10/100 BASE-TX
Ethernet	RJ485	IPV4 Static or DHCP IPV6 Static or Dynamic via DHCPv6 or SLAAC
Wi-Fi	2.4 GHz	<p>AP Mode: Supports Open, WPA2, WPA-WPA2 Mixed, WPA3, WPA2-WPA3 Mixed networks IPV4 DHCP or Static IP One client Wi-Fi Connection with configurable password Uses Fixed IP for access point during initial setup WPA2-PSK (AES).</p> <p>Station Mode: Supports Open, WPA2, WPA-WPA2 Mixed, WPA3, WPA2-WPA3 Mixed networks IPV4 Static or DHCP IPV6 Static or Dynamic via DHCPv6 or SLAAC Configurable SSID lookup Auto-reconnect after network or power loss</p>
Operating Environment	Operating Temperature Storage Temperature Humidity Altitude	-40 to 158°F (-40 to 70°C) -40 to 185°F (-40 to 85°C) 0 to 95% RH (non-condensing) 3000 Meters
Enclosure	Wi-Fi Model RJ45 Type	~ 1" h x 1" w x 0.5" d ~2" h x 1" w x 1" d TBD - ESD/Shorting Protected small enclosure