

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

## PRODUCT OVERVIEW

The Bridge 485 is a wireless sensor interface that works in conjunction with temperature, vibration, power, and other sensors using the Modbus RTU protocol to monitor data from motors and other equipment found in various manufacturing facilities.

Sensor data is collected from critical equipment and sent to the SimplySnap IoT platform for storage and analysis. Thresholds can be configured in the system based on measurements that are above the safe levels. This early detection can help eliminate unplanned downtime and major repairs.

Integrate with lighting controls and other energy monitoring solutions from Synapse to further gain control of your facility's infrastructure and eliminate waste.

## KEY FEATURES:

- Range of 500 feet, line of sight
- RF Transmission Output Power of +20dBm
- Supports RS-485 MODBUS RTU compatible sensors
- Secure AES128 Encryption
- Self-healing 2.4GHz SNAP Mesh Networking
- Seamless SimplySnap Integration<sup>1</sup>
- Secure, over-the-air upgrades to support future enhancements



## 24VAC or 24VDC Powered

Product #	Description
CONTROL-485-201	Wireless SimplySnap access for MODBUS RTU compatible sensors

## SPECIFICATIONS

<b>Dimensions</b>	7.8" L x 3.9" W x 2.8" H (200 x 100 x 70 mm)
<b>Input Power</b>	12-24VDC or 24VAC +/- 10%, 60Hz, 2W
<b>Operating Environment</b>	0C to +60C, 10 to 90% RH, non-condensing
<b>Serial Interface</b>	RS-485
<b>Serial</b>	9600, 19200, 38400, 76800, and 115200 baud rates
<b>Enclosure Rating</b>	IP66
<b>Mounting</b>	Wall or I-Beam
<b>Radio</b>	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
<b>Radio Range</b>	Up to 500 feet, line of sight
<b>Certifications</b>	FCC, Class B; cULus, RoHS
<b>Warranty<sup>2</sup></b>	1 Year

### Footnotes:

1. SimplySnap Cloud services required, contact sales for details
2. See [www.synapsewireless.com/warranty](http://www.synapsewireless.com/warranty) for warranty terms

To learn more, call or visit:  
[synapsewireless.com](http://synapsewireless.com)  
 (877) 982-7888

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