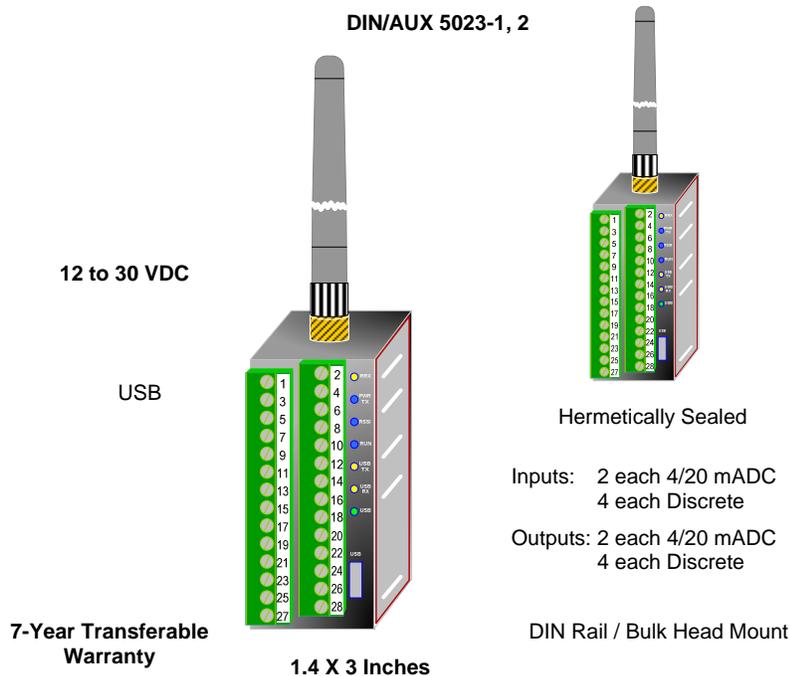


# Site to Site "Data" Transfer (SST)

Wireless  
Data Transfer  
In PLACE of  
Wired



## Overview

The SST is a great inexpensive alternative to metallic wires for transferring data between two locations. Especially as metallic wires become less reliable and more expensive to possess and maintain.

Simple to use - They work right of the box – simply connect up the Power, Inputs and Outputs.

Also, Industrial packaging insures years of continuous maintenance free operation.

## Features

- Small Foot Print (1.4 X 3 inches)
- DIN Rail / Bulk Head Mounting Options
- Hermetically Sealed
- 1 Watt Radio
- Whip Antenna Standard, High Gain Yagi Antenna Optional
- 9600 BAUD Data Communications Rate
- MODBUS ASCII Protocol
- 12 to 30 VDC Power
- Plug and Play Terminals
- Visual Status Indicators
- Accessible via 3rd Party Products
- 7-Year Transferable Warranty

## Applications

- Water/Wastewater Management
- Site Remediation Monitoring
- Mandated Monitoring and Reporting
- Entrance Gate Monitoring and Control

## Benefits

- Self-Contained
- Simple to Install
- Hermetically Sealed
- No Special Software Requirements
- 24/7 Technical Support



*Solutions through Synergy*

AGM Electronics, Inc  
PO Box 32227  
Tucson, AZ 85751  
P (520) 722-1000 F (520) 722-1045  
www.agmelectronics.com

# AGM Site to Site Transfer (SST)

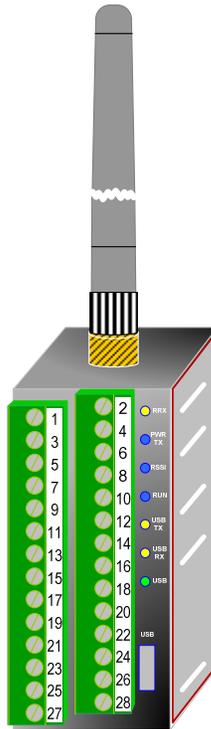
## SST General Specifications

### Physical

- 1.4 X 3 X 4.3 inches
- Reverse SMA Antenna Connector
- Hermetically Sealed
- Wire Size: 12 to 24 Gauge
- Wire Connector: Plug & Play
- DIN Rail Mounting Clip

### Power

- 12 to 30 VDC
- 3 Watts



### Status Indicators

- RRX
- PWR/X
- RSSI
- Run
- USB TX
- USB RX
- USB

### Configuration Connector

- Micro USB

### Wireless

#### Performance:

- Power output: 1 mW - 1 Watt (0 - 30 dBm), software selectable
- Indoor/Urban range: Up to 3000 ft (900 m)
- Outdoor/RF line-of-sight range: up to 40 miles (64 km)
- RF data rate: 9.6 Kbps
- Receiver sensitivity: -110 dBm (@ 9600 bps)
- Frequency range: ISM 902 – 928 MHz
- Spread Spectrum: FHSS (Frequency Hopping Spread Spectrum)
- Modulation: FSK (Frequency Shift Keying)

#### Networking:

- Supported network topologies: Point-to-Point, Point-to- Multipoint (Master Required)
- Channel capacity: 10 hop sequences share 50 frequencies
- Encryption: 256-bit / 128-bit AES

### Inputs and Outputs

#### Analog Inputs: 2 or 4 each

- Type: 4/20 MADC (Through External 250 Ohms Resistor)
- Resolution: 16 Bit Resolution
- Sample Rate: 5 Per Second

#### Discrete Inputs: 4 or 2 each

- Type: Dry Contact
- Max Rate: 60 PPM

#### Analog Outputs: 2 or 4 each

- Type: 4/20 MADC
- Resolution: 16 Bit Resolution
- Sample Rate: 5 Per Second

#### Discrete Outputs: 4 or 2 each

- Type: Dry Contact
- Max Rate: 60 PPM

### Environmental

-20 to 70 Dec C / 5-95% Non-condensing Relative Humidity

### AGM Site to Site Transfer (SST) Product Numbers -

2 AIO / 4 DIO = DIN5023-1 (or) AUX5023-1; 4 AIO / 2 DIO = DIN5023-2 (or) AUX5023-2;

SCADA | Industrial Automation | Process Control | Stand-Alone Control | Distributive Control