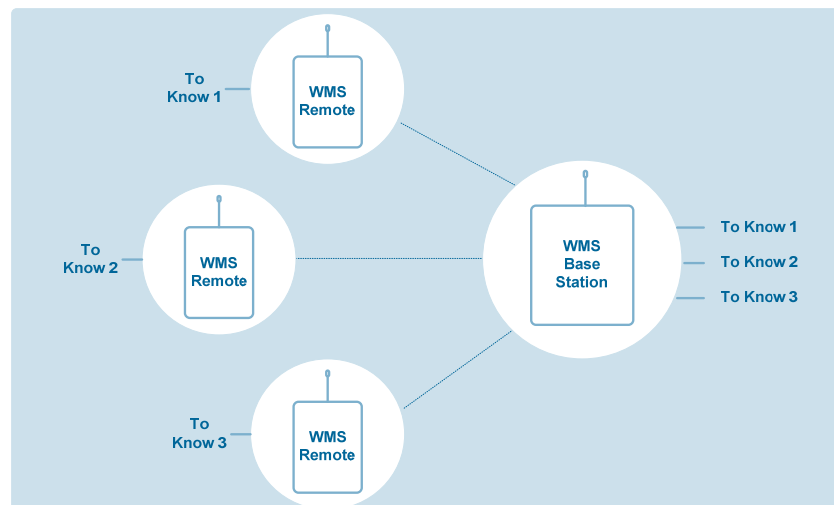# Wireless Monitoring System (WMS)

Did it happen?

Things you may want to know...

- Someone activated the eyewash station
- The large, walk-in freezer door is open
- Someone forgot to close the corral gate
- The wet well level went too high
- The water main burst
- A secure area has been breeched
- The sprinkler is on
- The oranges are about to freeze

But, how would you know without being there?

It's easy when you use the AGM Wireless Monitoring System *(WMS)…*

Install a *Remote* where you want to know something and a *Base Station* where you would like to find it out. Connect up a few wires. Select your Base Station address and you are now in the know.

Features
- NEMA Enclosure (4X Rated, Water Resistance IP66)
- Bulk Head Mounting
- Low Power, Mesh Network
- Removable Whip Antenna
- 6 to 30 VDC Power (1 - 2 Watts)
- Visual Status Indicators
- Up to 8 Remotes per Network
- Up to 8 Networks
- Transfers Contact Closures Both Directions or One Way
- Transfers Immediately on Status Change

Applications
- Tank Farms
- Warehouses
- Ranches
- Lift Stations
- Chemical Plants
- Remediation Sites
- Where ever Mandated Monitoring and Reporting is required
- Farming/Agriculture

Benefits
- Self-Contained
- Simple to Install
- All Connections Inside Weatherproof Enclosure
- No Software Required
- 24/7 Technical Support
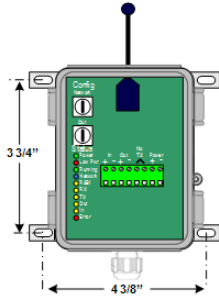
AGM Electronics

Solutions through Synergy

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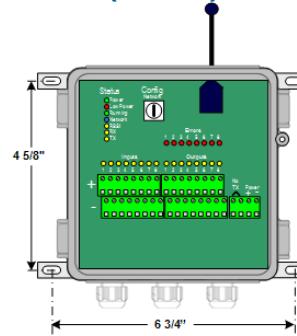www.agmelectronics.com

AGM Wireless Monitoring System (WMS)

Remote

Model Nbr:
NEM5026-2

Current Price:
$279.00 (USD)

Base Station

Model Nbr:
NEM5026-1

Current Price:
$340.00 (USD)

WMS General Specifications

Physical
   Remote - 5.2 X 3.9 X 3 Inches,
   Base Station - 6.25 X 5.25 X 3.25 Inches
   Reverse SMA Antenna Connector
   Wire Size: 12 to 24 Gauge
   Wall Mounting Brackets Included
   Environmental:
   -20 to 70 Dec C / 5-95% Non-condensing Relative Humidity
   NEMA 4X Enclosure. IP66 if properly sealed
Wireless Performance
   Transmit Power: 250 mW (24 dBm)
   Indoors / Urban: Up to 1000 Feet (with included whip antenna)
   Outdoors / Rural: Up to 4 Miles (with external 2.1 dB dipole antenna)
   RF data rate: 200 kb/s
   Receiver sensitivity: -101 dBm (@ 200 kb/s)

   Frequency range: ISM 902 – 928 MHz
Wireless Network
   Mesh Network Topology
   8 Network Addresses, Switch Selectable
Status Indicators
   Power, Low Power, Running, Network, RSSI. RX, TX
   Input Status (1 Remote) (8 for Base Station)
   Output Status (1 Remote) (8 for Base Station)
   Error (1 Remote) (8 for Base Station)
Inputs
   Dry Contact, (1 Remote) (8 Base Station)
Outputs
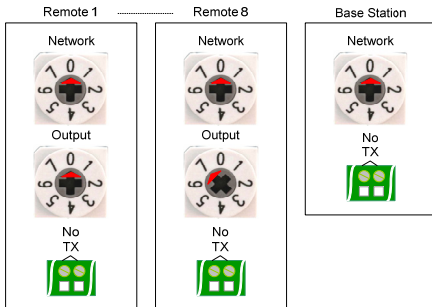   Open Drain, 30 VDC, 100 mA max per output (1 Remote) (8 Base Station)
Power
   6 - 30 VDC (1 Watt Remote) (2 Watts Base Station)
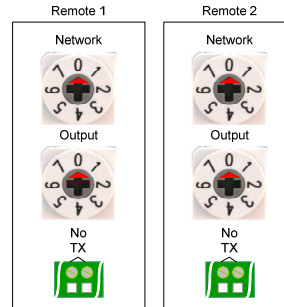
WMS Configuration Examples

Configuration 1: 8 Remotes to 1 Base Station -
Each remote input will be repeated as a corresponding output at the Base Station and each Base Station input will be repeated as an output at each corresponding Remote
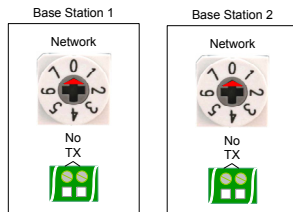
Configuration 2: 1 Remote to Remote -
Input to remote 1 will be repeated as an output at remote 2
Input to remote 2 will be repeated as an output at remote 1

Configuration 3: 1st Base Station to a 2nd Base Station -
All Base Station 1 inputs will be repeated as outputs at Base Station 2 and all Base Station 2 inputs will be repeated as outputs at Base Station 1

Configuration 4: By connecting Output 1 of Base Station to Inputs 2,3,4,5,6,7 & 8 of Base Station, remote input 1 will be repeated as outputs at Remotes 2 through 8 and remote input 2 through 8 will be repeated as outputs at the Base Station