**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

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**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)

**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