

Agri Alert Alarms

Triple A protection



Enjoy a new peace of mind

Alarm System

Proper Alarm Systems are designed to detect common site problems and failures, and to quickly and reliably communicate them to those who need to know.



Detect problems and failures such as:

Power failure

Total Power outages

- generator fails to start
- transfer switch fails to operate

Partial Power outage (only one phase is lost)

- some equipment works, some equipment does not

Brown Outs

- Power Utility cuts voltage
- low voltage due to extreme load

Lightning Strikes

- can cause breaker trips or fuse failure
- damage to critical electrical equipment

Control Equipment malfunctions

A non-functioning or just an improperly functioning climate controller, can have catastrophic consequences. Knowing quickly when this has occurred, is one of the keys to preventing a loss.

Fan failure (minimum ventilation)

Lack of oxygen or enough fresh air can result in animal loss. With some failures, temperatures may not rise high enough to trigger a high temperature alarm.

Faulty heating system

Heat loss can have serious consequences for young animals.

Temperature problems

Unexpected high or low temperatures inside or outside.

Feeding system malfunction

A malfunction in feeder motors or bin motors resulting in an important loss of feed control.

Bio-Security control

Monitor driveways and buildings and control access to bio-sensitive areas.

Water supply problems

Pump failure, broken pipe, low pressure, or lack of water could impact animal's growth rate significantly.

Feed bin

An empty feed bin, a continuously running auger, or a drop in production because of not having a timely response with new feed.

Features common to all AgriAlert alarms

(except AA 400)

Complete alarm systems for monitoring temperature, power, feed and water system, burglary, bio security, and more.

Spike Block surge/lightning protection on all zone inputs and system outputs. Offers up to six times the protection of most other alarm systems.

- Outdoor temperature compensation feature available on all models except the AA-800
- Reliable 12 volts rechargeable gel-cell battery back-up
- Programmable alarm recall feature for acknowledged but unresolved alarms
- Self-diagnostics of complete system including wiring, sensors, outputs, fuses, battery, etc

- Programmable alarm recognition delays for each individual zone
- Dialing of alarms to multiple phone numbers: pagers, cell phones, or telephones
- Independent output for a local siren or revolving light
- Non-volatile memory for all programmed parameters
- Alarm memory log with time, user & date stamp (last 10 alarms)
- Security with up to 10 programmable user access codes
- Built-in phone line seizure for added security
- Share phone line with other devices, no second line required
- Off-site phone-in capabilities for checking temperatures and other system functions
- Moisture and dust-tight ABS enclosures for harsh environment locations
- All zones can be bypassed individually or in groupings
- Any zone can be configured for dry contact, temperature, pulse count, or burglary



Agri-Alert series

All systems include the basic features mentioned on page 3
(except AA 400)



AA 400

- 4 individual zones... dry contact input
- Zones programmable as normally open or normally closed (connect to a mechanical thermostat, controller alarm relay, power failure relay, water pressure switch, etc.)
- Zone recognition times programmable for 0 or 30 seconds
- Individual zone activating/bypassing with surface push button
- Alarm "CANCEL" push button for acknowledging alarms
- Independent siren output with programmable "re-call/cycle" times.
- 12Vdc auxiliary power supply (fused)



AA 800EZe

- New, graphical LCD screen :
 - View information quickly & more clearly ;
 - Intuitive screen design;
 - Easy navigation through menus.
- Bright Tri-color status LEDs for each zone;
- Easy to service PCB with plug-in connectors;
- Re-settable fuses on PCB; no more blown fuses to change;
- Integrated rechargeable back-up battery;
- Programmable using PC software and SD card;
- Separate plug-in phone dialer card for easy serviceability;
- 2 output relays that can be activated by phone; · Can call up to 8 different phone numbers (home phones, pagers, cell phones, etc);
- Recordable messages for system id and individual zone voice labeling;
- Acknowledge alarms by phone;
- Call in from off site for zone temperatures & system status reports;
- Auxiliary 12vdc power supply (AA-WM3000 wireless compatible);
- Outdoor temperature compensation feature (requires additional card).



AA 2400

- Starting with 8 supervised zones that can be activated or bypassed individually or in partitions.
- Expandable to 24 zones using expansion cards (max.2 cards) - 8 zones per expansion card
- Any zone can be configured for dry contact, temperature, 4-20 ma input, 0-5 volt input, pulse count, or burglary
- 2 output relays with form "c" contacts. Relays can be operated from the keypad or a phone
- Built-in or remote microphone for on-site listening
- Remote cancel capabilities for siren or revolving light output
- Outdoor temperature compensation feature (uses 1 zone)
- Can call up to 8 different phone numbers
- Recordable system ID message
- Auxiliary 12 volt DC power supply
- Includes **Spikes Block** lightning and surge protection



AA 2400 - Expansion card

Agri-Alert series

All systems include the basic features mentioned on page 3

- Starting with 8 supervised zones that can be activated or bypassed individually or in groupings
- Expandable to 24 zones locally using expansion cards (max.2 cards) - 8 zones per expansion card
- Expandable to 96 zones in total using serial bus interface to remote transponders and keypads
- Any zone can be configured for dry contact, temperature, 4-20 ma input, 0-5 volt input, burglar, AC current
- Calibration of any temperature probe for accurate temperature readings
- Min/max temperatures displayed on screen
- Programmable min/max auto reset time
- Temperature alarm set points can be set to a curve function
- 2 output relays operable from the keypad, by remote phone, or can be pre-assigned to a zone and activated on an alarm from that zone
- 0-10 volt programmable output
- Auxiliary 12 volt dc power supply
- Can dial and communicate with a Central Monitoring Station
- Can call up to 16 different phone numbers. Zones can be assigned to phone groups. Phone groups can call separate numbers for daytime, night time or weekends
- System monitoring of phone line, siren output, SBI communications, and 12 volt DC
- Outdoor temperature compensation feature (uses 1 zone)
- Recordable system ID message as well as recordable individual zone ID messages
- Event buffer to record all system events in non-volatile memory (up to 2000 events)
- Built-in or remote microphone for on-site listening



AA 9600 - Expansion card

- Programmable from a PC or laptop using UP-Alert interface and AA software
- On-screen labelling of individual zones and remote devices
- Includes **Spike Block** lightning and surge protection
- Automatic scrolling on the screen info can be enabled or disabled
- Can integrate wireless modules to communicate with remote sites on the same system "line of sight"



- KP400's, KPB400's, TP800's and LB9600's are all devices which connect to AA-9600 alarm system by way of a serial bus interface (SBI) communication system (4 wires)
- KP's have 4 and TP's have 8 local zones available for any input type, no need to run zone wires back to the main panel
- KP's and TP's can be "daisy chain connected" up to 10,000 ft away from master 9600 control
- All KP's and TP's come with one programmable output which can be activated from any keypad or remotely by phone or can be assigned to a zone
- KP's allow user to view and modify system parameters from remote locations
- The LB9600 comes with 96 leds which allows for a quick and easy indication of all ongoing zone activity
- All devices (except KP400) come in a PVC water and dust proof enclosure with a hinged cover
- All devices come with the **Spike Block** surge /lightning protection on inputs and outputs (add protection box to the KP400)

AgriAlert series



AA 400



AA 800EZe



AA 2400



AA 9600

Number of zones available	4 standard	8 standard	8 standard - up to 24	8 standard - up to 96
Programmable zone types	dry contact	temperature, dry contact / ELR, pulse count, burglary	temperature, dry contact / ELR, pulse count, outdoor probe, burglary, 4-20 ma / 0-5 volt	temperature, dry contact / ELR, pulse count, outdoor probe, burglary, 4-20 ma / 0-5 volt, AC current sensor
lighting protection (Inputs/outputs)	gastube / diode / movs	gastube / diode / movs	gastube / diode / movs	gastube / diode / movs
Zone partitioning (grouping)	no	up to 8	up to 8	up to 16
Temperature sensor calibration	no	no	no	yes
Dial out (home, cell, beeper, pager)	no dialer included	yes	yes	yes
Number of phone numbers system can call	n/a	8	8	16
Share phone line with answering machine, fax machine or modem	n/a	yes	yes	yes
Number of call sequences per alarm	n/a	up to 7	up to 7	up to 7
Acknowledge alarm by phone	n/a	yes	yes	yes
Scheduler on phone number / grouping	n/a	no	no	yes
Report to central monitoring station	n/a	no	no	yes
Alarm restored call-back feature	n/a	yes	yes	yes
Call in for temperature / status reports	n/a	yes	yes	yes
Programmable recognition time per zone	yes	yes	yes	yes
Programmable start call delay	no	yes	yes	yes
Programmable alarm recall feature	no	yes	yes	yes
Outside temp compensation feature	no	no	yes	yes
Password: master	0	1	1	1
installer	0	1	1	1
user	0	10	10	10
0-10 volt output (programmable)	no	no	no	1
Auxiliary 12 volt DC power output	yes	no	1	1
Siren output	yes	yes	yes	yes
Output relays (programmable)	no	no	2	2 + 1 per KPB-400 & TP-800
Individual zone labeling (on screen)	no	no	no	yes
Individual zone voice identification	no	no	no	yes
Individual zone LED indication	yes	yes	yes	require LB-9600 (option)
Remote modules (4 wires remote communication up to 10,000 ft from main panel)	no	no	no	TP-800, KP-400 KPB-400, LB-9600
Wireless compatible	WM 3000	—	WM 3000	WM 3000 & WM 9600
Rechargeable battery	yes	yes	yes	yes
Test mode key	no	yes	yes	yes
Event buffer (non-volatile)	no	no	no	yes
Alarm memory log	no	last 10	last 10	last 50
LCD scrolling display	no	yes	yes	yes
Temperature SP can be set to a curve	no	no	no	yes
Telephone line monitoring	n/a	no	no	yes
Phone line seizure	n/a	yes	yes	yes
On-site listening microphone (local)	no	yes	yes	yes
External microphone (remote) either/or	no	no	yes	yes
Computer compatible (Bridge / Agnet)	no	no	no	yes
Program saveable to computer file	no	yes (up-alert)	yes (up-alert)	yes (up-alert)
System self diagnostics feature (system trouble)	yes	battery, AC supply, siren fuses & probes	battery, AC supply, siren fuses & probes	battery, AC supply, siren probes & dialer, SBI
Enclosure (harsh environment approved)	yes	yes	yes	yes

WM 3000 and WM 9600 Wireless Modules

AA-WM3000 Models

Designed to operate with the AA-400, AA-800T, AA-2400, and AA-9600.

Open air unobstructed range of up to 3000ft.

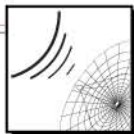
Simple one way communication between receivers and transmitters.

Easy to install, easy to program, easy to test.



Receiver AA-WM3000 Rx

- Comes with 4 separate input channels.
- Each channel can be wired to individual Agri Alert zones.
- 12 volt dc power input (from Agri Alert aux. supply)
- Easy dip switch programming.
- Mounted in weather proof enclosure.
- Use one or more receivers per Agri Alert panel.
- PR3000 pager receiver also available.

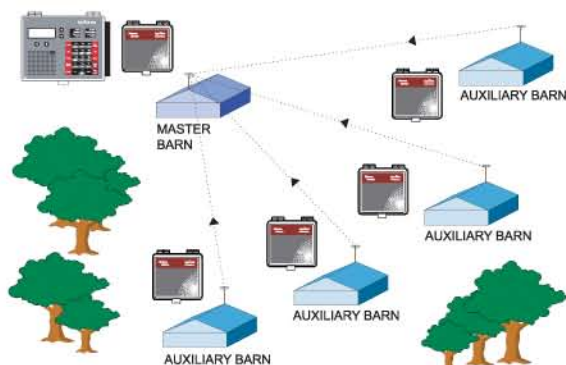


Transmitter AA-WM3000 Tx

- Dry contact normally open input terminals.
- Common 9 volt battery power supply.
- Easy dip switch programming.
- Mounted in weather proof enclosure.
- Use one or more transmitters per Rx channel.
- Low battery and re-transmit features included



Short range: 3000 feet apart



AA-WM9600 Models

Designed to operate with the AA-9600 Agri Alert.

Open air unobstructed range of up to 1.5 miles.

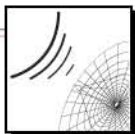
Smart two way communication between transceivers and AA-9600.

Maximum range achieved when using outdoor antennas.



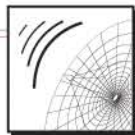
Receiver AA-WM9600 Rx

- 4 wire connection into 9600 Serial Bus Interface.
- Powered from AA-9600 through SBI.
- Connect up to ten transceivers to one receiver.
- Continuous signal strength indication.
- Includes Spike Block lightning and surge protection.

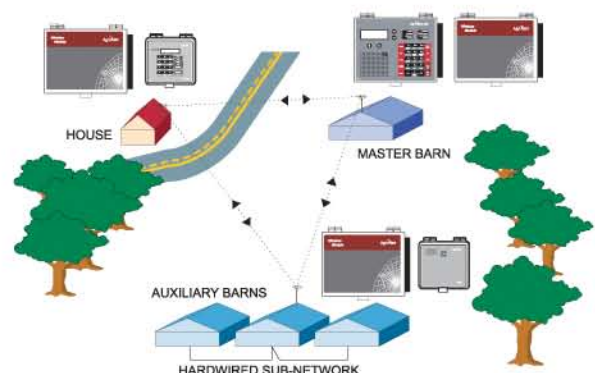


Transmitter AA-WM9600 Tx

- Provides Serial Bus Interface to 9600 remote devices (transponders, keypads)
- 4 wire connection between remote devices.
- Uses standard AA-Power Pack with battery backup.
- "Polling" between receiver and transceiver.
- Includes Spike Block lightning and surge protection.



Long range: 1.5 miles apart



note: obstacles such as buildings, trees, hills, etc will reduce the range

AgriAlert accessories

power pack



battery



wire 2 & 4 conductor



heat detector



microphone



combridge 2 card



door alarm contacts



driveway photo beams



motion detectors



temperature sensor



low water pressure sensor



water meter



transformer



power failure kit



sirens 15 & 30 watt



PR 3000 pager



WM 3000TA temp sensor



WM 9600 antenna & coax cable kit



WM 9600 direct connect antenna



WM 9600 lightning arrestor



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