Temperature Guard

INPUT GUARD™ MODELS VM606 AND VM606E

EIGHT CHANNEL INPUT MONITOR AND AUTODIALER

General Description

The Input Guard is a complete eight channel input monitor and auto dialer system in a wall mount enclosure.

The Input Guard monitors dry contact inputs and will call and alert you when an input is in alarm condition.

The VM606E coupled with our Data Capture software can alert via email or sms. Programming is also easier with Data Capture.

Features

- Monitor eight inputs
- Monitor line voltage
- Programmable "normal" state and time delay for each input
- Recordable ID messages for each input and recordable unit ID message
- Calls up to eight programmable telephone numbers
- Integrated voice chip with voice prompts and spoken menu options
- Pager compatible, leaves call back number on numeric pagers
- Alarm buzzer and relay output
- Rechargeable backup batteries (included)

Functional Description

Monitoring
The Input Guard continuously monitors up to eight inputs and the line voltage via its wall mount transformer.

Remote Status Checking
The Input Guard can be called anytime to check the state of any input and the line voltage.

Emergency Phone Calls
When an input is not in its programmed normal state for longer than its programmed time delay or the line voltage is out for longer than five minutes (default is 5 but is user adjustable), the Input Guard will call all programmed phone numbers until contact is made. If contact has not been made after dialing all phone numbers, the Input Guard will wait twenty minutes and then begin calling again. This sequence is repeated until contact is made.

When the Input Guard calls a voice phone number, it will play the recordable unit ID message and the current state of the input that caused the phone call. The Input Guard will then prompt the user to enter the PIN.
If the correct PIN is entered, contact has been made and the Input Guard will stop calling. If Input Guard calls an answering machine or voice mail, the Input Guard will leave the warming message and will continue to call.

When the Input Guard calls a pager number, it will transmit the programmed Local ID Number, any inputs which have caused an alarm, and the line voltage status.

User Programmable Features

Maximum number of programmable callout numbers: 8
Maximum number of digits for callout numbers: 20
Maximum number of digits for Local ID/pager callback number: 20
Length of Unit ID message: 8 seconds
Length of Input ID messages: 5 seconds
Range of incoming rings before the Input Guard answers: 1 to 20
Number of digits in programmable PIN: 4
Range of time delay for each input before callout is begun: 0 to 999 minutes
Maximum power outage alarm time delay: 900 minutes (default 5 minutes)

Specifications

Inputs:
    VM606   Dry Contact (5VDC 2ma source)

Outputs:
    Alarm Relay   SPDT 24VDC 1A contacts (Controlled via button or over the phone on the VM606-R models)
    Alarm Buzzer   90 dB

Power Requirements: 120VAC at 50/60 Hz wall mount transformer (included)
Electrical Connections: 2 Pluggable 12 position terminal blocks
Material: Flame retardant ABS plastic, 94-5VA
Dimensions: Enclosure: 5.0" x 7.5" x 1.75" (W x L x H)
                           Keyhole Mounting Holes: 3.937" (10 cm) between holes
Shipping Weight: 3 lbs
Agency Compliance: Input Guard FCC Approved and Registered, power supply UL listed
Ambient Operating Conditions**:** 32ºF to 125ºF

VM606E only
LAN: Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Transport Protocol: TCP/IP, UDP
Connector   RJ45

EMI Compliance: Radiated & conducted emissions - complies with Class B limits of EN 55022:1998

                           Direct & Indirect ESD - complies with EN55024:1998
                           RF Electromagnetic Field Immunity - complies with EN55024:1998
                           Electrical Fast Transient/Burst Immunity - complies with EN55024:1998
                           Power Frequency Magnetic Field Immunity - complies with EN55024:1998
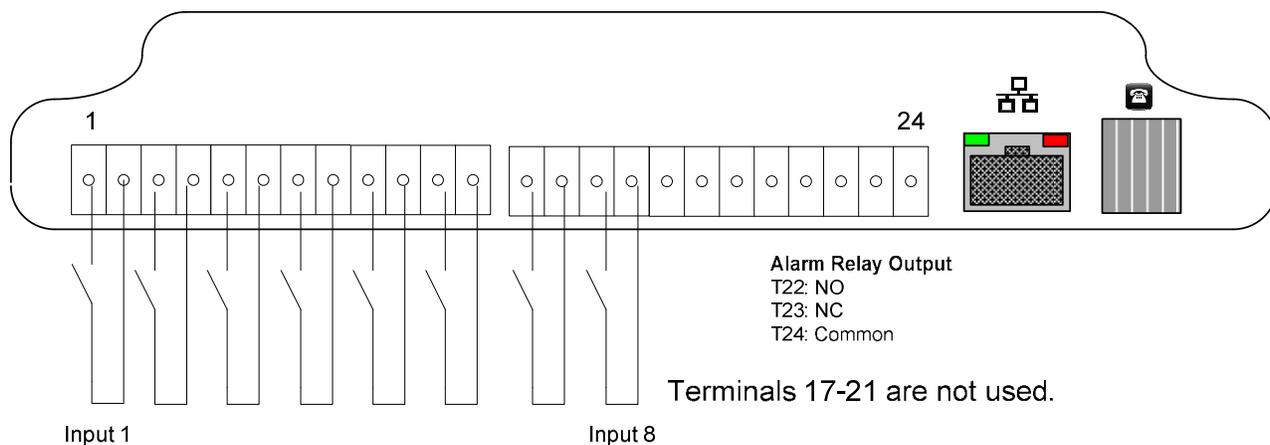   RF Common Mode Conducted Susceptibility - complies with EN55024:1998
LED Indicators: 10Base-T connection
                           100Base-TX connection

Wiring Diagram

VM606
VM606E

Wiring Diagram (side view of enclosure)

1   24

Alarm Relay Output
T22: NO
T23: NC
T24: Common

Terminals 17-21 are not used.

Input 1   Input 8

Ordering Information

Model Number	Description
VM606	Dialer only. All programming is done over the phone.
VM606E	With dialer and integrated Ethernet adapter, allows emails and SMS messages from the Data Capture Software. Also makes programming much easier.