

## Intrusion Detection and Access Control Panel

Advantors Infraguard Panel combines the functions of intrusion detection and access control into a single panel. Multiple options are provided for communications with an ASN monitoring system, including TCP/IP via Ethernet, dedicated or dial-up telephone line, and digital cellular communications. An Infraguard panel may act as a "host" interface for additional Infraguard Expansion Panels and/or Infraguard Expansion Modules. Advantors Infraguard panel allows our system to be internet protocol (IP) based. The Infraguard Panel will support multiple alarm inputs and will have an IP address on a TCP/IP Ethernet network.

### INTRUSION DETECTION FEATURES

- 8 Touchscreen Keypads per Infraguard panel
- 99 security partitions maximum
- 20 supervised alarm inputs, supporting supervision with either one or two end-of-line resistors.
- Status LEDs provide for visual identification of operation
- Up to 16 Expansion panels / modules can be added to host panel

### ACCESS / ENTRY CONTROL FEATURES

- 100,000 cardholders maximum
- 32,000 Access Levels maximum
- Four Wiegand reader inputs to control up to 4 doors
- Supports multiple bit card formats accommodating up to 9 digit card numbers
- User-changeable PIN, up to 6 digits
- Real time activity reporting with 8,000 event local activity log buffering
- Visitor escort management and control
- "Level 1" (card only); "Level 2" (card plus PIN) or "Level 3" (Card plus PIN plus Biometrics) access control options
- Turnstile Control
- Mantrap Capability
- Optional Free Exit or Card Controlled exit
- Optional Anti-Passback
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### ADDITIONAL FEATURES

- 8 Form-C relay outputs — 5A maximum
- 8 Open-Collector outputs — 100mA maximum
- 8 Differential Audio Inputs
- Area Interlock capability where only one door at-a-time may be unlocked, or open, in an interlock area
- I/O Linkage — 65,000 input / output grouping



### DIMENSIONS

#### Attack-Rated UL Enclosure

- 20" W x 20" H x 5" D
- 18-gauge cold rolled steel with lock and key
- Color: Light gray w/ Advantors logo
- Removable cover with grounding strap
- Tamper switches for cover and wall

#### PCB Foot Print

- 11 5/16" W x 8 5/16" H

# Infraguard Panel

## OPERATING ENVIRONMENT

0° F to 122° F (-18° C to 50° C)

## POWER SUPPLY

Primary power: 16.5 VAC, 50VA transformer with 100-120 or 200-240 VAC input 50/60 Hz.

12 VDC Gel Cell battery backup (6 or 12 AH)

Output: Regulated 12 VDC primary power (9.8 to 13.7 VDC) @ 1.2 A

12 VDC Gel Cell battery charger

Power supervision for AC input power, Battery voltage, and Auxiliary Output power status

External power supply supervision

12 VDC Auxiliary power isolation with 4 PTC auto-resetting circuit breakers

## COMMUNICATIONS

### Communications Interfaces to Monitoring Server

AES 128 bit encryption

Ethernet LAN interface with TCP/IP protocol built-in

V.34 modem option, up to 33.6K baud for

dedicated or dial telephone line applications

Cellular backup modem option

Panel may serve as "host" interface to additional local Infraguard panels and modules

### Communications Interfaces to Local Infraguard Panels (Additional Doors and Alarm Points)

Up to 16 Infraguard panels may be configured on a local network, sharing a single communications interface with the monitoring server

Local communications interfaces operate at 38,400 bps

Optional local configurations include RS-485, Single Mode Fiber Self-Healing Ring, or Multi-Mode Fiber Self-Healing Ring

### Communications Interfaces to Local Infraguard Modules (Additional Alarms Points and Auxiliary Outputs)

Up to 16 Infraguard modules may be configured on a local network, sharing a single communications interface with the monitoring server

Local communications interfaces operated at 38,400 bps

Optional local configurations include RS-485, Single Mode Fiber Self-Healing Ring, or Multi-Mode Fiber Self-Healing Ring

## CERTIFIED COMPATIBLE WITH THE FOLLOWING ADVANTOR SOFTWARE PRODUCTS:

Advantor Digital Cellular Kit (DigiCell Module)

Advantor Suite for Networks (ASN) 5.0

## TOUCHSCREEN KEYPADS

RS-485 interface to Infraguard Panel

Up to 8 Touchscreen Keypads per Infraguard Panel

Text / Audible annunciation of system status

Touch-screen for keypad code entry and command selection

Soft keys for random sequencing code entry

## UL LISTINGS

UL 294, "Access Control System Units"

UL 1076, "Proprietary Burglar Alarm Units and Systems"

## Panel to Panel Self-healing Fiber Ring

