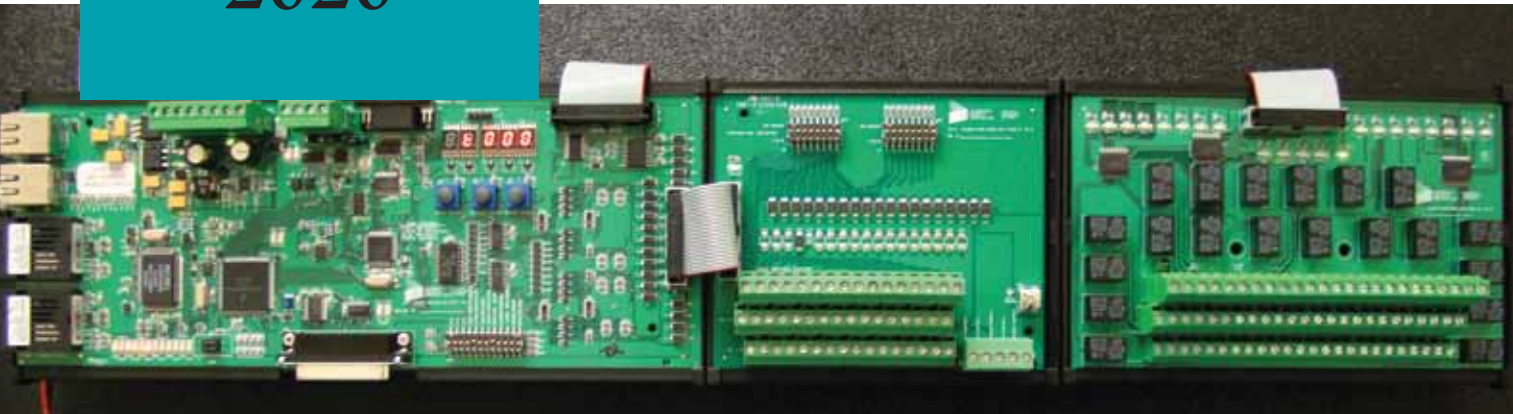


INFINITY 2020



ISC-VB VISION BOARD:

The 16 zone Vision Board monitors the Infinity 2020 system, analyzing signals sent by the sensors and weather station to precisely detect intruders and minimize false alarms.

Our IP addressable Vision Board is Ethernet ready with optional on-board fiber transceivers and cell phone reporting for all your communication needs. For larger perimeters each board is easily configurable to work with other Vision Boards.

There is a maintenance display with real-time zone voltage, zone calibration mode, and hardware address, making set-up, testing and servicing simple.

ISC-SI SENSOR INTERFACE BOARD:

The high density, 16 zone Sensor Interface Board accepts the sensor line inputs from the field and passes these signals to the Vision Board. This provides isolation and protection to the Vision Board from lightning and other transients with DC surge suppression.

The multi-level terminal block and DIN-rail mounting allow easy access for termination of incoming wires. DIP switches simulate field termination resistors for unused inputs, saving installation time.

ISC-RO RELAY OUTPUT BOARD:

With a robust Form C contact for each zone and LED indicators for active alarm relays, the Relay Output Board provides integration with other security systems. The addition of a daughter card makes outputs available in a central location, putting your contacts where you need them.

Together, the Vision Board, Sensor Interface Board and Relay Output Board make the Infinity 2020 the most modern, user-friendly electronic perimeter system in the industry.

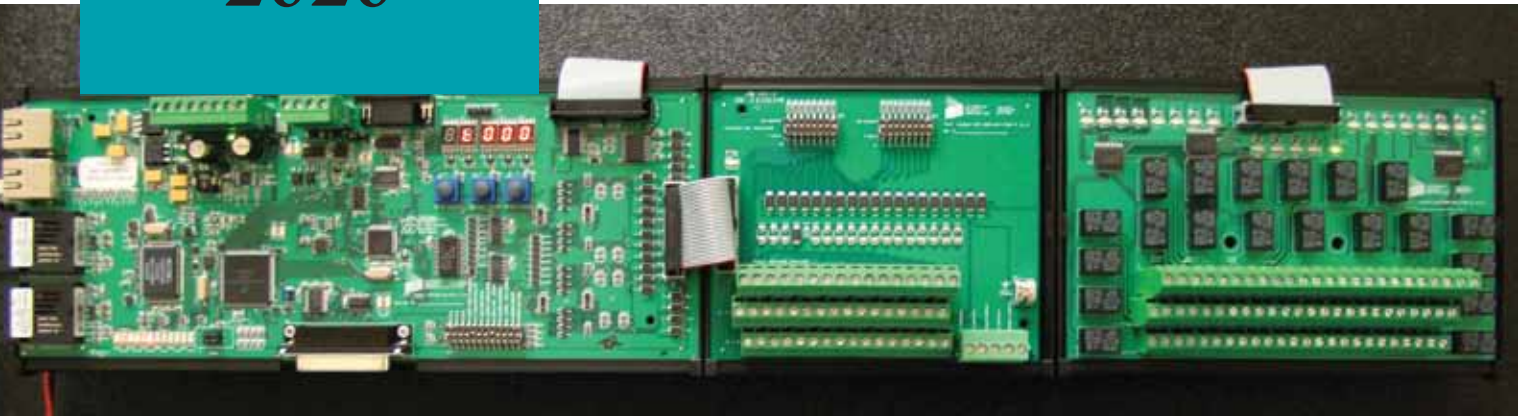


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ISC-VB SPECIFICATIONS MASTER CONTROL MODULE

Electrical:

Power Consumption: 12VDC @ .5 A (typ.)

LAN Interfaces:

10/100 Base TX

- Autosensing (patch cable or cross-over)
- CAT5 or later
- RJ45 with transient voltage protection

10/100 Base FX (optional)

- Duplex Multi-mode SC Receptacle or
- Duplex Single-mode SC Receptacle
- Nominal wavelength: 1300 nm

Physical:

(W x H x D) 11.7 in x 3.2 in x 4.7 in (approximate)

Operating Temperature: -40 to +85 degrees Celsius

ISC-SI SPECIFICATIONS SENSOR INTERFACE MODULE

Electrical:

Transient Overvoltage Protection:

The protector consists of a symmetrical voltage-triggered bidirectional thyristor. Overvoltages are initially clipped by breakdown clamping until the voltage rises to the breakover level (30V), which causes the device to crowbar into a low-voltage on-state condition. This low-voltage on state causes the current resulting from the overvoltage to be safely diverted through the device. Meets electrical safety standards listed under GR-1089-CORE.

Physical:

(W x H x D) 5.2 in x 3.2 in x 4.7 in (approximate)

Operating Temperature: -40 to +85 degrees Celsius

ISC-RO SPECIFICATIONS RELAY OUTPUT MODULE

Electrical:

20 Alarm Output Relay Contact Data:

Rated Load:

Resistive Load: 0.40 A at 125 VAC, 2 A at 30 VDC
Inductive Load: 0.20 A at 125 VAC, 1 A at 30 VDC

Contact Material: Ag (Au clad)

Carry Current: 3 A

Maximum Voltage: 250 VAC, 220 VDC

Minimum Current:

Restrictive Load: 3 A (AC), 3 A (DC)
Inductive Load: 1.50 A (AC), 1.50 A (DC)

Maximum Switching:

Restrictive Load: 50 VA, 60W
Inductive Load: 25 VA, 30W

Minimum Load: 10 microamps, 10 mVDC

Physical:

(W x H x D) 7.1 in x 3.2 in x 4.7 in (approximate)

Operating Temperature: -40 to +85 degrees Celsius



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ISC S-10 SENSOR CABLE



SPECIFICATIONS:

Description: Special composite cable suitable for long-term outdoor use and direct burial. Nine conductors, with overall shield and drain and jacket.

Conductors: 8 insulated conductors of 22 AWG (7/30) tinned copper, irradiated cross-linked PVC (XLPCV) or PVC (IAW MIL-W-16878/17 Type B/N) and Nylon insulated, insulation 0.010" nominal wall thickness. Conforms to UL 1429 80C 159V, and irradiated MIL-W-168778/1-BFB Type B 105C 600V 1 insulated conductor (RED) 22 AWG (7/20) coated copper, Teflon insulation. Conforms to E22 (7) and MIL-W-16878/4-BFB-2 or MIL-W-16878/11, 600v 200/260 degrees Celsius.

Core Spec: Nine (9) insulated conductors (wires) and one (1) filler to form a cabled core with red conductor remaining on the surface of the bundle of nine for accessibility; nominal lay length shall be $2.0'' \pm 0.5$.

Separator: Clear polyester tape separator over cabled core; 100% coverage.

Drain Wire: 22 AWG (7/30) tinned copper bare drain wire over core and separator.

Shield: Aluminum-Mylar tape shield, foil over the drain wire and core and separator.

Cable Jacket: Black colored PVC compound jacket with overall diameter of $0.300'' \pm 0.010''$; wall thickness = 0.065" nominal. Compound is rugged, durable, flexible, suitable for direct burial and sunlight, and ozone resistant.

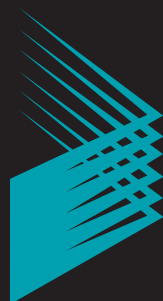
Cable Diameter: 280 nominal, .295 maximum.

Marking: ISC S-10 22 AWG DIRECT BURIAL MS(4). Marking shall be permanent and difficult to rub off.

Our durable S-10 sensor cable is designed to give you years of maintenance-free service. The cable is direct burial rated and UV resistant. Inside, the zone wires give strength and abrasion resistance while the sensor is attached to a Teflon-coated inner connector. Shielding and a ground wire prevent electrical interference.

The sensor is pre-assembled and attached to the sensor cable prior to shipment. The body is made with the highest quality fiberglass reinforced plastic. The inside

components are gold plated to military specifications to insure a non-corrosive highly sensitive mechanism. It is sealed with electrical grade adhesive for moisture resistance and strain relief. The included back plates and pins easily mount the sensor to the fence.



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WX-2020 WEATHER STATION



SPECIFICATIONS:

Detection: Detects precipitation intensity. Anemometer detect wind speed status.

Sensitivity Control: Wind and precipitation compensation software adjustable by zone at central computer with password protection – no field adjusting required.

Lightning Protection: Semiconductor surge suppressors

Output Points: 4 wire interface – PWR, GND, 4-20 mA

Operating Voltage: 24 VDC

Operating Current: 300 mA nominal, 1A heating

Operating Temp: -30 to 60 degrees Celsius. Precipitation sensor has built-in heater.

Maximum Cable Length: 100 feet using 22 AWG, shielded wire

Number of Devices: More than one weather station can be used per site, although that is not required. Each Vision Board can support a separate weather station.

Controls: Dip switch selectable, wind and rain compensation enabled.

Connections: Compression type terminal connectors to Vision Board.

Installation: Mast, wall or fence mounting options available.

The Infinity 2020 perimeter intrusion detection system utilizes a WX-2020 weather station. This fully integrated monitoring sub-system detects environmental changes resulting from wind and precipitation and supplies the necessary data to the system processor. Based on this continuously updated flow of information, the processor adjusts sensor operating parameters to eliminate the generation of environmentally induced false alarms. Consequently, weather induced false alarms

are all but eliminated as the system automatically compensates for environmental disturbances. An anemometer indicates wind speed while the precipitation monitor detects rainfall intensity using its optical sensors, both on a real-time basis.



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