

VertX® V200 Input Monitor Interface

AVIGILON

Avigilon™ Access Control Manager (ACM) supports open field hardware from HID™ Global allowing organizations to leverage investments in non-proprietary field hardware, with retrofit programs available for industry standard door hardware and card readers, including contact/contactless smart card, proximity, magnetic stripe and barcode.



The HID Global VertX V200 input monitor interface connects up to 16 supervised input circuits. Each input point monitors and reports normal, off-normal, and alarm states. The V200 features on-board flash memory, enabling program updates to be downloaded through the network. The V200 connects to the V1000 via a high-speed RS-485 network. The V1000, in turn, communicates with the Access Control Manager system via industry standard TCP/IP protocol, over 10/100 Mbps Ethernet, or the Internet. This architecture minimizes the impact on corporate LANs, by using only one TCP/IP address for every 32 interfaces, and by handling low-level transactions on the RS-485 network.

KEY FEATURES

- Reports supervised or unsupervised alarm circuits.
- Off-normal condition programmable for each input point (NO or NC alarm devices may be used).
- Connects to the V1000 via RS-485.
- Receives and processes real-time commands from the V1000.
- Reports all activity to the V1000.
- Enables complex input/output linking when used with the V1000 and V300 Output Control Interface.
- Attractive polycarbonate enclosure protects components from damage.
- All connections and indicators are fully identified by silk-screened nomenclature on the cover.
- UL 294 and UL 1076 recognized components.



Specifications

CONTROLLER	Audio / Visual indicators	Power LED and RS-485 Communications LED
	Communication Ports	RS-485 — two wire
	Warranty	Warrantied against defects in materials and workmanship for 18 months

MECHANICAL	Dimensions (WxHxD)	147.32 mm x 122.55 mm x 32.38 mm; 5.8" x 4.825" x 1.275"
	Weight	0.35 kg; 12.4 oz
	Housing Material	UL94 polycarbonate
	Mounting	Mount to any wall surface, using four screws. For UL compliance, one or more gateways can be mounted inside a locking customer supplied NEMA-4 rated enclosure

CABLE SPECIFICATION	RS-485	<ul style="list-style-type: none">• 4000 feet (1220 m) to host using Belden 3105A,• 22 AWG twisted pair, shielded cable
	Input Circuits	<ul style="list-style-type: none">• 500 feet (150 m), 2-conductor, shielded, using ALPHA 1292C (22 AWG) or Alpha 2421C (18 AWG)
	Output Circuits	<ul style="list-style-type: none">• 500 feet (150 m), 2-conductor, using ALPHA 1172C (22 AWG) or Alpha 1897C (18 AWG). Minimum wire gauge depends on cable length and current requirements.

ELECTRICAL	Power Supply Requirements	50 mA @ 9-18 VDCRecommended: Supervised linear power supply with battery back-up, input surge protection, and AC fail and battery low contact outputs. Separate supervised DC supply with battery back-up recommended for relay activated devices.
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ENVIRONMENTAL	Operating Temperature	0° C to 50° C (32° F to 122° F)
	Humidity	5 - 95% Relative humidity (non-condensing)

CERTIFICATIONS	UL294 and UL 1076 (US)	CSA 205 (Canada)	FCC Class A
	CE Mark, EN 50130-4 (EU)		
	EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan		

ORDERING INFORMATION	AC-HID-VERTX-V200	VertX® V200 Input Monitor Interface (70200AEP0N-AVG)
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