



# PRODUCT SPECIFICATION

**MODELS:** V1300X-IA SERIES

**PRODUCT CODES:** REFER TO TABLE 1

**DESCRIPTION:** ALARM INTERFACE

- 32 inputs, expandable to 64
- Visual and audible alarms
- Communicates alarm to Nova™ (VPS)® CPU



The V1300X-IA Alarm Interface allows external alarm devices to be connected to a Nova (VPS) digital control CPU. In the basic configuration, up to 32 alarms may be connected to a single V1300X-IA, while an expanded unit (V1300X-IA-EX) accepts up to 64. Multiple V1300X-IAs may be cascaded together for further expansion. Refer to Table 1 for a full list of models and product codes.

When the V1300X-IA senses a change in status of one of its alarm inputs, it transmits the information to the VPS CPU, which announces the alarm to the operator and may also execute a preprogrammed response to the alarm. Such responses include displaying the video from the camera associated with the alarm on selected alarm monitors, causing a camera station to carry out a preset-position program or a tour, and displaying a special alarm message on the alarm monitors. The V1300X-IA also flashes a red LED and generates a warning tone.

Acknowledging individual alarm inputs is performed from the VPS operator control panel. Enabling and disabling individual alarm inputs is done by software in the system CPU. The V1300X-IA is compatible with all Nova (VPS) CPUs except the VPS328, which has its own alarm interface. The V1300X-IA connects to the CPU with a parallel data interface.

NOTES	SPEC NO.	REV.	SEC.
SUPERSEDES PRODUCT SPECIFICATION 849-1194	849	198	11



**V1300X-IA ALARM INTERFACE**

A single auxiliary relay output activates when any alarm input goes active. This relay may be used to control some external device, such as a VCR. In the case of multiple cascaded X-IAs, only the auxiliary output on the X-IA that received the alarm goes active. The AUX outputs on the other X-IAs do not go active.

The alarm inputs are normally closed and go active when the remote alarm switch opens or goes active high. Alarm inputs are CMOS/TTL compatible.

**TABLE 1  
MODELS AND PRODUCT CODES**

Model Number	Product Code	Description
V1300X-IA	4099	32 inputs, 120 V
V1300X-IA-230	4099-01	32 inputs, 230 V
V1300X-IA-EX	4399	64 inputs, 120 V
V1300X-IA-EX-230	4399-01	64 inputs, 230 V

## CONTRACTORS' SPECIFICATION

### ALARM INTERFACE FOR RS422 CONTROL SYSTEMS

The alarm interface shall supply audible and visual alarm indications for a maximum of 32 normally closed (NC) customer alarm inputs per unit. (An expanded unit accepts up to 64 inputs). Multiple units may be cascaded for further expansion.

As an alarm is received, the alarm interface shall transmit the information to the CPU, which announces the alarm to the operator and which may also execute a preprogrammed response to the alarm. Alarm inputs shall be CMOS/TTL compatible. A red LED shall flash to indicate the alarm and a warning tone shall sound. A single auxiliary relay output activates when any alarm input goes active and shall be used to control customer auxiliary equipment, such as a VCR.

The alarm interface shall be available in two versions with two different input voltages: 120 V and 230 V. Power consumption for the unit shall not exceed 15 W. Maximum dimensions shall not exceed 3.47 inches (8.81 cm) height, 19.0 inches (48.3 cm) width, and 7.0 inches (17.8 cm) depth. The alarm interface shall be Vicon Model V1300X-IA and the expanded model shall be Vicon Model V1300X-IA-EX.

Product specifications subject to change without notice.  
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The V1300X-IA is housed in a steel enclosure designed to be mounted in EIA standard 19-inch racks.

The V1300X-IA complies with FCC rules for a Class A computing device. The V1300X-IA-230 complies with European Community EMC Directive 89/336. The product was subject-

ed to the testing outlined in European Normalization Standard EN 50081-1 (Electromagnetic Compatibility - General Emissions Standard Part 1: Residential, Commercial, and Light Industry), and EN 50082-1 (Electromagnetic Compatibility - Generic Immunity Standard Part 1: Residential, Commercial, and Light Industry).

## TECHNICAL INFORMATION

### OPERATIONAL

<b>Alarm Inputs:</b>	32 or 64 normally closed (NC) or TTL low.
<b>Alarm Output:</b>	Signal sent to CPU when alarm input is detected.
<b>Auxiliary Output:</b>	Dry contact relay activates when alarm input is detected. NO or NC.

### ELECTRICAL

<b>Input Power:</b>	Refer to Table 1.
<b>Power Consumption:</b>	15 W.
<b>Heat Equivalent:</b>	0.85 btu/min (0.21 cal/min). NOTE: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.
<b>Input Signal:</b>	Alarmed: Contacts open or active high. TTL high = 2.7 to 5.3 V. Secured: Contacts closed or active low. TTL low = 0.0 to 0.7 V.
<b>Auxiliary Relay:</b>	Dry contact relay rated at: 1.0 A at 24 VDC or 0.5 A at 115 VAC.
<b>Fuse:</b>	120 V models: 0.75 A, 250 V, 5 mm. 230 V models: 0.5 A, 250 V, 5 mm.
<b>Radio-Frequency Emission Standard:</b>	FCC Class A.
<b>European Community (CE) Standard:</b>	EN 50081-1 generic emissions. EN 50082-1 generic immunity.

### INDICATORS

<b>Power:</b>	Red LED on front panel.
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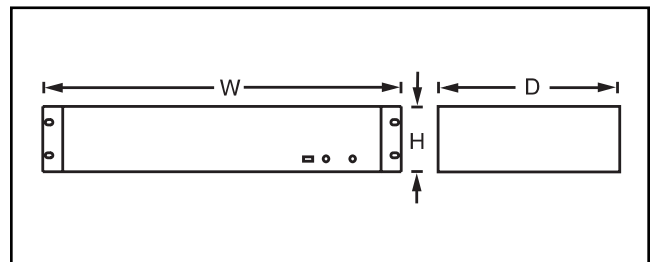
<b>Active Alarm:</b>	Red LED on front panel and tone.
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### CONNECTORS

<b>Alarm Inputs:</b>	V1300X-IA: four 16-pin removable screw terminal blocks. V1300X-IA-EXP: eight 16-pin removable screw terminal blocks.
<b>Output to CPU:</b>	37-pin D-shell connector.
<b>Aux Output:</b>	3-pin removable screw terminal block.
<b>Power:</b>	Detachable 3-conductor cable with grounded plug.

### MECHANICAL

<b>Dimensions:</b>	Height (H): 3.47 in. (8.81 cm). Width (W): 19.0 in. (48.3 cm). Depth (D): 7.00 in. (17.8 cm).
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<b>Weight:</b>	9.0 lb (4.1 kg).
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<b>Construction:</b>	Steel.
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### ENVIRONMENTAL

<b>Operating Temperature Range:</b>	32 to 122° F (0 to 50° C).
<b>Humidity:</b>	Up to 90% relative, noncondensing.
<b>Storage Temperature Range:</b>	-20 to 140° F (-29 to 60° C).
<b>Storage Humidity:</b>	Up to 85% relative, noncondensing.