V1400X-IDL and V1400X-IDL-230 Intelligent Distribution Line Control

- **Rack or desk mounting**
- **Convenient removable terminal blocks**
- **Standard RS-422/485 communucation**
- **Provides "pass-through" control for up to 10 I/O devices**

The V1400X-IDL Intelligent Distribution Line Control Unit (IDL) is designed to provide convenient connection of a Vicon-based Control and Matrix System to 10 Vicon RS-422/485 Input or Output Devices (Stations) using 6-position, removable Terminal Block connectors. This IDL provides "intelligent control" via microprocessor controlled circuitry which can individually detect the status of each Station and CPU line, display it via front panel LEDs, and shut down those corrupt Stations. Thus, the IDL can prevent Stations that are locked, incorrectly wired or that have high noise levels from interfering with the other stations. The IDL can be mounted on a desk or in a standard 19 inch (48 cm) rack and is available in a 120 VAC or 230 VAC model. The 230 VAC model is CE compliant.

Contractors' Specification

INTELLIGENT DISTRIBUTION LINE CONTROL

The Intelligent Distribution Line Control shall provide convenient connection of a Vicon-based CPU Control System to a maximum of 10 Vicon Input or Output Devices using RS-422/485 protocol on 6-position, removable Terminal Block connectors. The IDL shall have intelligence by employing a microprocessor to monitor the system status. It shall have the capability of detecting corrupt Station and CPU line communication and displaying their status using front panel LEDs. It shall have the ability to shutdown any,

or all, Station lines that it cannot communicate with. The IDL shall be mounted on a desk or in a standard 19 inch (48 cm) rack and shall be available in a 120 VAC or 230 VAC model. The IDL shall be strictly an indoor unit constructed of sheet steel with a black enamel finish. Height, width and depth shall not exceed 4.0 in. (10.2 cm), 20.0 in. (50.8 cm) and 12.0 in. (30.5 cm), respectively. Weight shall not exceed 6.5 lb (2.9 kg).

The Distribution Line Control shall be Vicon's base Model V1400X-IDL.

| **Vicon Product Facts** | CE FC | **Model No:** V1400X-IDL\ V1400X-IDL-230 | **Product Code:** 6825/ 6825-01 | **SEC: 11** | **SPEC: V017** | **REV: 300** |

Vicon part number 8009-7017-00-00   *Product specifications subject to change without notice.*

ELECTRICAL

Input Voltage:	V1400X-IDL: 120 V, 60 Hz. V1400X-IDL-230V: 230 V, 50 Hz.
Power Consumption:	9 Watts.
Heat Equivalent:	0.5 btu/min (0.13 cal/min). Note: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of the 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.
Line Cord:	Standard 3-conductor SV No. 18 AWG cable with grounding plug.
Fuse:	120 VAC: 3AG, 0.25 A, slo-blo 230 VAC: 3AG, 0.125 A, slo-blo.
Radio Frequency Emission Rating:	FCC Class A.
European Community (CE) Standards:	EN 50081-1 generic emissions. EN-50082-1 generic immunity.

CONTROLS & CONNECTORS

Power (LED):	Red front panel LED indicates power condition.
Power (connector):	Rear panel 120 or 230 VAC grounded female connector.
CPU (LED):	Green front panel LED indicates CPU condition.
STATION (LEDs):	Green front panel LEDs indicate Station conditions.
CPU (J11):	6-pin removable Screw Terminal Block connector.
Station (STAT J1-J10):	6-pin removable Screw Terminal Block for each connector.

OPERATIONAL

General:	Unit is operated using external devices (1 CPU and up to 10 I/O Devices). If one or more Stations become corrupt (device locking, incorrect wiring or excessive noise), the unit will isolate these stations from the remaining normal ones.
Control Format:	RS-422/485 protocol data, simplex or half duplex operation at 4800, 9600 or 19,200 baud.

MECHANICAL

Mounting:	Desk mount (bumpers provided) or Rack mount.
Dimensions:	Height: 1.7 in. (4.3 cm). Width: 19.0 in. (48.3 cm). Depth: 7.5 in. (19.1 cm).
Shipping Dimensions:	Height: 4.0 in. (10.2 cm). Width: 20.0 in. (50.8 cm). Depth: 12.0 in. (30.5 cm).
Shipping Weight:	8.2 lb (3.7 kg)
Weight:	6.5 lb (2.9 kg).
Construction:	Steel chassis and cover.
Finish:	Black baked enamel chassis and cover.

ENVIRONMENTAL

Operating Temperature Range:	32 to 122° F (0 to 50° C).
Operating Humidity Range:	Up to 90% relative, noncondensing.
Storage Temperature Range:	-40 to 150° F (-40 to 65° C).
Storage Humidity Range:	Up to 90% relative, noncondensing.