

DeviceNET Super-I/O
P/N 5503



ATTENTION 	These Devices are NOT designed to be used in any life support system.	ATTENTION 	Before handling the board be sure that you are grounded to prevent any electrostatic discharges
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LED Indicators

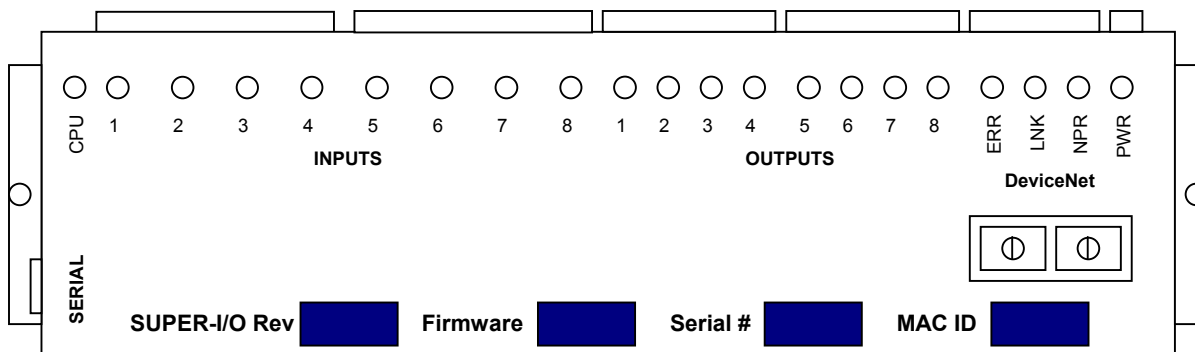
Inputs1..8	If LED is illuminated then Super-I/O is receiving an "ON" input state.
Outputs 1..8	If LED is illuminated then Super-I/O is enabling an output state.
PWR	If LED is illuminated then Super-I/O is receiving power
CPU	If LED is blinking with 50% duty cycle then the device is in "PROGRAM" mode. If LED is blinking in heartbeat rhythm then the device is in "RUN" mode.
LNK	If LED blinks then the Super-I/O has received or transmitted a message via the network.
ERR	LED blinks or is illuminated then a network error condition exists
NPR	If LED is illuminated then OmniCon-DNET88 is receiving CAN power

System Programming First install the VSI's SuperLogic software in your desktop or Laptop computer. Once the software is installed successfully, you can connect to the Super-I/O module for programming and configuration using any one of the methods listed below:

- Through the Serial Port, located on the side, with a serial cable and a computer running the VSI **SuperLogic** software.
- Through the Network Port over DeviceNET with a computer utilizing the PCI/USB network adapter and the VSI **SuperLogic** software.
- Utilizing another Super-I/O module as a Serial-DeviceNET Bridge

The default Network ID is 63; the Network ID is configurable through the rotary DIP switches located on the front panel. With the controller facing as shown below, the tens digit is the right side switch and the units digit is on the left side switch.

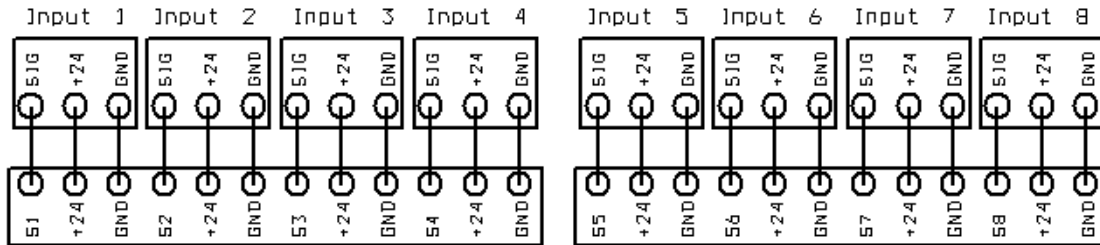
A standard modem cable can be used for direct serial programming with a PC.



System Power Super-I/O modules require 15-30 volts DC. The Current is 210mA at 24Volts.

Input Connections

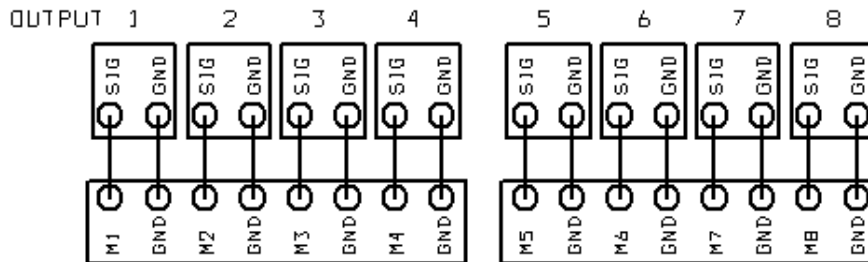
IMPORTANT All Field input devices must be of SOURCING type. The controller will not function properly if different types of sensors are used.



Input Phoenix Conn.

All Photo-sensors are powered thru the module. The total current from the module to all eight photo-sensors is limited to 1.25 Amps. Each sensor therefore can consume a maximum of 150mA. Inputs share common ground with the power supply to the module.

OUTPUT CONNECTIONS Outputs are open collector type. All outputs share common ground with power supply to the module. Each Output can Sink maximum of 0.5 Amps.



Output Phoenix Conn.

NETWORK CONNECTIONS Super-I/O module require network to be powered by an 18 to 24Volts DC power supply. Each module takes about 40mA from the network power.

