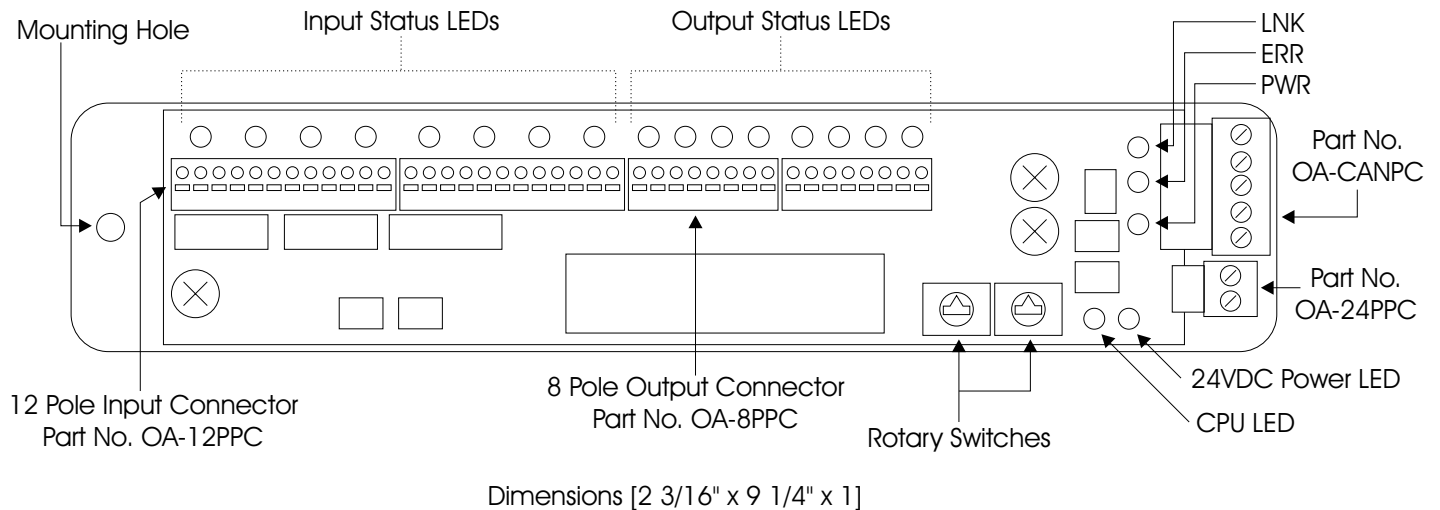


The OmniAccum-DNET88 is a modular control device for brushless motorized roller conveyor applications. The OmniAccum-DNET88 is embedded with an accumulation program, a maximum of 8 zones can be controlled with one device. The configuration software allows many program and device parameters to be defined for universal operation. The OmniAccum-DNET88 is equipped with 8 sourcing inputs and 8 open collector outputs. All inputs have own power source for efficient installation and maintenance. The OmniAccum-DNET88 communicates via the DeviceNet protocol, with standard DeviceNet communication cable.



Status LEDs

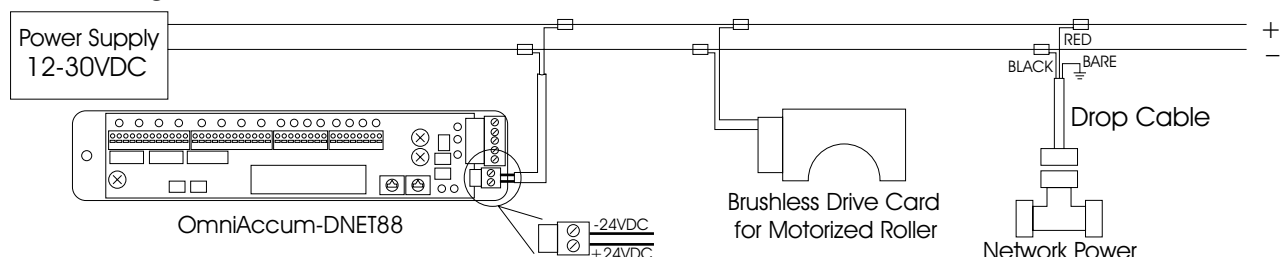
- INPUTS(1-8): If LED is illuminated then OmniAccum-DNET88 is receiving an "ON" input state.
- OUTPUTS(1-8): If LED is illuminated then OmniAccum-DNET88 is enabling an "ON" output state.
- PWR: If LED is illuminated then OmniAccum-DNET88 is receiving power.
- CPU: If LED is blinking rapidly then OmniAccum-DNET88 is in "RUN" mode. If LED is blinking in heartbeat rhythm then the OmniAccum-DNET88 is in "PROGRAM" mode.
- LNK: If LED blinks then the OmniAccum-DNET88 has received or transmitted a message via the network.
- ERR: If LED blinks or is illuminated then a network error condition exists.
- PWR: If LED is illuminated then OmniAccum-DNET88 is receiving CAN power.

Configuration

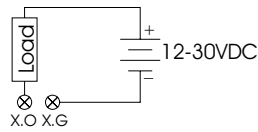
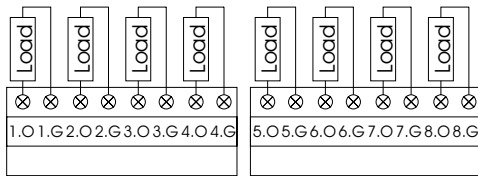
The *Accumulation Configuration Software* included with the device is used to set the following parameters:

1. Upstream and downstream node addresses
2. BusSpeed
3. Zone Count
4. Operation mode " Slug " or " Singulation "
5. Zone Timers (1-8)
6. MacId or node address

Power Bus Wiring Connections



Output Wiring Diagrams



Alternate output connection using external power supply.

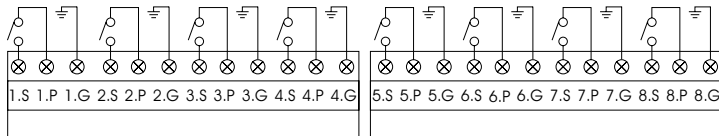
Terminal Labeling

X.O=Output to Device
X.G=GND

*Where "X" is the corresponding to output or zone number.

18 to 24 AWG Recommended for Spring Loaded Input/Output Terminals.
Terminal Labels can be changed to reflect user's application.

Input Wiring Diagrams



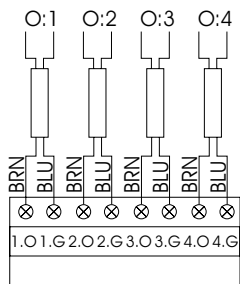
Terminal Labeling

X.S=Sourcing Signal
X.P= +24VDC
X.G=GND

*Where "X" is the corresponding to input or zone number.

18 to 24 AWG Recommended for Spring Loaded Input/Output Terminals.
Terminal Labels can be changed to reflect user's application.

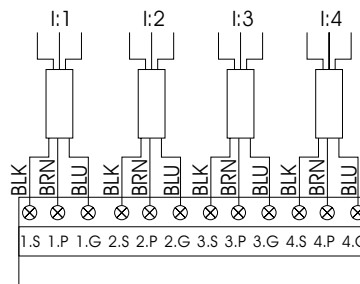
Standard Omni Automation Cable Connections



Terminals

X.O = BRN = Output X.O
X.G = BLU = GND

Outputs

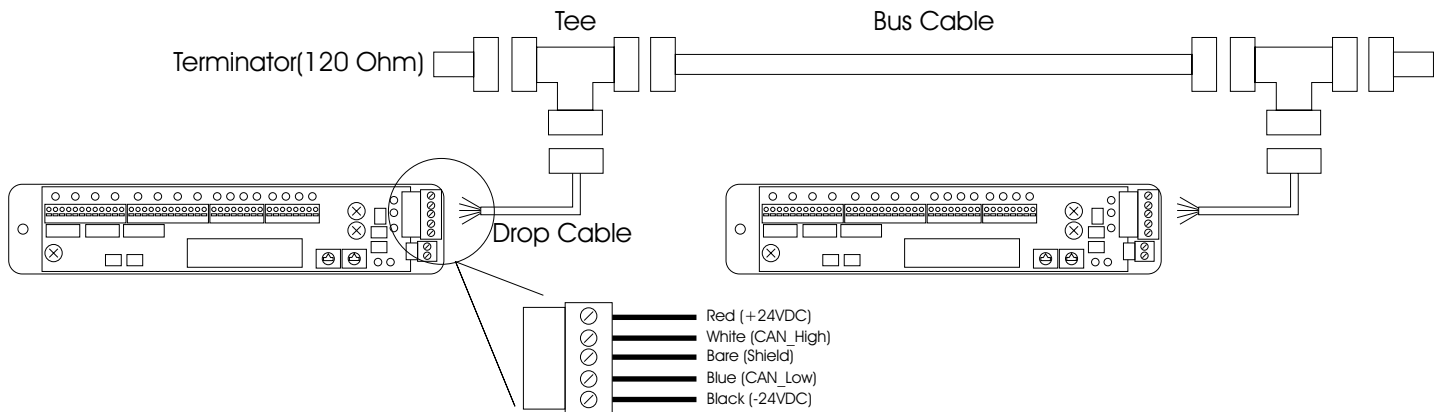


Terminals

X.S = BLK = SIGNAL
X.P = BRN = +24VDC
X.G = BLU = GND

Inputs

Network Wiring Connections



Technical Data

OmniAccum-DNET88 Specifications	
Voltage Range	12-30 VDC
Current Consumption	210 mA @ 24VDC (No Load)
Operating Temp.	-30°C to 70°C
Outputs	8 NPN Open Collector Outputs
Max. Output Current	0.5A
Inputs	8 Normally Open(Sourcing Sensor Required)
Input Signal Current	0.1 mA Nominal

Network Specifications	
Network Voltage Range	12-30 VDC
Network Baud Rate	125, 250, or 500 kbps
Network Protocol	DeviceNet
Max. Nodes per Channel	64
Max Network length	1,000ft
Max Channels	4