

OmniCon-LP

Programmable Control Module For Motorized Roller Conveyor

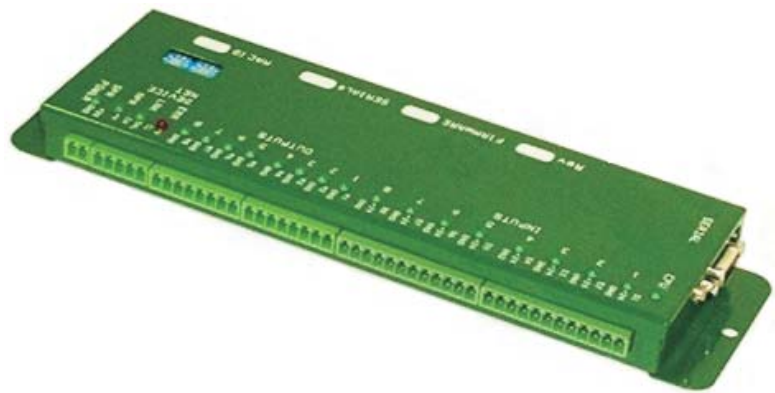
Programmable Controller with Hardware and Programming Features
Designed Specifically for Motorized Roller Conveyor Applications

Product Description

The OmniCon-LP is a programmable controller designed specifically for controlling brushless motorized roller conveyor. It is not just a micro-PLC, like most others, which can be used for controlling motorized roller conveyor, but instead has many specific features built-in which enhance its ability to control these types of conveyor and material handling systems.

The OmniCon-LP is programmed with SuperLogic a ladder logic based programming software package. This ability to create unique programs for any application makes it ultra-flexible. The SuperLogic software is included free of charge.

Additionally, standard ladder programs for common conveyor operations can be used and configured for quick system start-ups.



Features

8 inputs and 8 outputs enables the control of up to 8 zones of conveyor in standard accumulation operation.

Low profile physical design allows it to be mounted in conveyor channel.

Individual power source for each input promotes efficient and modular photoelectric sensor wiring.

Input, output, and network LEDs for visual verification and troubleshooting.

*Specifications subject to change without notice.

SuperLogic software for downloading and configuring standard ladder programs or creating programs for any unique application.

Serial to CAN bridge connection enables users to connect, download, configure, and monitor any OmniCon-LP on the network via another OmniCon's COM Port.

Peer-to-Peer messaging for fast zone-to-zone interlock network messaging, also eliminates the need for a host PC.

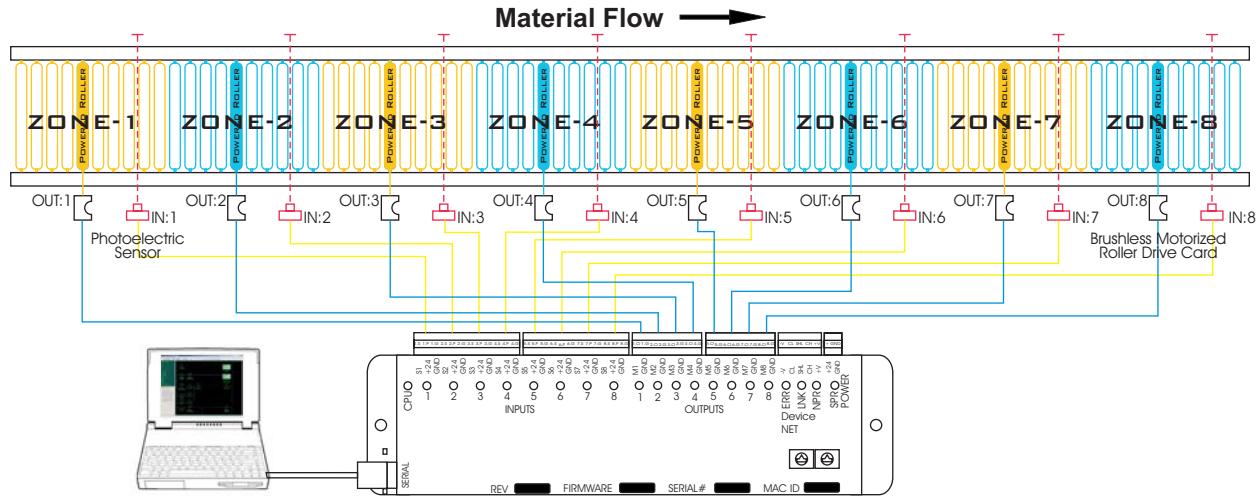
DeviceNet protocol utilized for network communication. This is one of the world's leading device-level protocols used for industrial automation.

Supports DeviceNet Slave I/O Messaging (Polling), this enables a DeviceNet Master/Scanner device to monitor OmniCon-LP I/O status and control outputs remotely. Also, incorporates EDS file for DeviceNet network configurations.


Industrial Automation and Controls

5 Easy Steps for a Quick System Start-Up

Layout for Standard Accumulation Operation



1. Wire inputs, outputs, power and network to corresponding OmniCon-LP terminal connectors

2. Set the MAC ID for OmniCon-LP, adjust rotary switches with a small screwdriver to appropriate ID.

3. Connect to OmniCon-LP with SuperLogic software. Connect standard modem cable between OmniCon-LP SERIAL port and COM port of computer. Start SuperLogic software and select connect icon.

4. Configure OmniCon-LP. Select configure icon in SuperLogic software and enter upstream/downstream MAC Id's, number of zones controlling, and mode of operation.

5. Download standard accumulation program to OmniCon-LP. Open standard accumulation program in SuperLogic. Select download icon and start download. When download is finished set OmniCon-LP to run mode.

Specifications

Product Type	Programmable Control Module for brushless motorized roller conveyor	Shock	10 g
Network	DeviceNet	Vibration	2 G, 10 to 500 Hz
Voltage Range	Module : 12-30 Vdc; Network 12-30 Vdc	Dimensions	9 7/16" x 2 7/8" x 1"
Current Consumption	Module: 210 mA Max @ 24Volts, excluding motor and photo-eye current; Network:40 mA max.	Serial Port	1 RS232 port. 9600, 8 bits, no parity, 1 stop bit. modem cable compatible
Inputs	8 normally open, SOURCING sensors required; 12 - 24 Vdc	Weight	0.75 lbs.
Input Signal Current	0.1 mA nominal	Mounting	# 10-32 hex head machine screws
Sensor Input Power	Powered from module, sharing common power. Module Input current limited to 1.25A	Housing Material	Steel
Outputs	8 independent control outputs (common ground)	Wire Size (Recommended)	20 to 24 AWG stranded or solid
Output Type	NPN open collector outputs	I/O Connectors	Screw terminals with quick disconnect
Output Voltage Drop	0.06 Vdc @ 100 mA, 0.35Vdc @ 500 mA	Operating Temp. Range	-30 °C to 70 °C [-22 °F to 158 °F]
Max. Output Current	500 mA maximum	Storage Temp. Range	-55 °C to 85 °C [-67 °F to 185 °F]
Output Leakage Current	10 µA maximum	Humidity	95% RH, non-condensing
		Standards	Pending

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