

MO'control™

Motor Control Stations



DeviceNet Products - Distributed I/O Modules



The TCS Motor Control Station provides both remote and local control capabilities and can be configured via the DeviceNet Parameters for many control operations and safety default settings.

More importantly is the diagnostic feed back to help both maintenance staff and operators quickly locate problems should they occur.

This distributed approach to motor control allows you to eliminate MCC panels that would traditionally house contactors, variable speed drives and motor starters.

SEW MovimOT

The VSD unit is designed to operate with a SEW MovimOT variable speed drive and provides you with all the control features on the DeviceNet network you require. The local control station provides local control and diagnostics capabilities to quickly troubleshoot your plant.

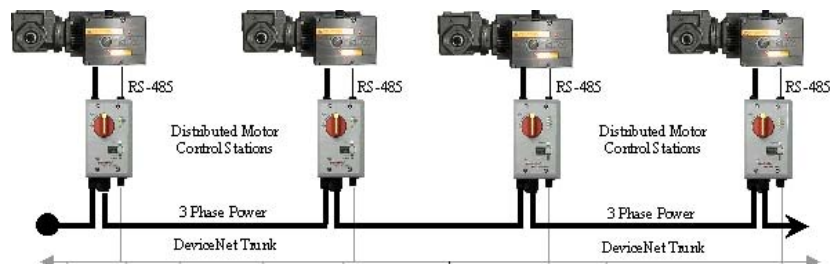
Direct on Line (DOL)

When fixed speed applications are all that are required the TCS DOL motor control station is all that you require. Using standard contactor technology you can stop and start your motor either remotely via DeviceNet or locally on the front control panel.

Diagnostics & Maintenance

The diagnostic LED's indicate overload trip, motor fault diagnostics and the lockable isolator provides a safe working environment for maintenance staff.

By daisy chaining the three phase power supply, as well as the communications via DeviceNet, you can achieve a dramatic reduction in the cable way and power distribution requirements.



Specifications

MO-CONTROL-DN-MS-SEW

SEW MOVI-MOT Motor Control Station

Supply Voltage	24V DC DeviceNet™ Standard
Operating Temperature Range	-18°F to 158°F (-25°C to 70°C)
Enclosure	Mild Steel / Plastic IP62
Keypad	One button tactile
Isolator	Lockable
Local / Remote Control	Push Button / DeviceNet
Protection	Thermal Overload Protection
Control Parameters	Speed Control 0 to 100% Ramp Control 0.1 to 10.0 seconds Forward and Reverse Inhibit
Relative Humidity	5% to 95%
Dimensions	210mm(W) * 160mm(H) * 60mm(D)
Mounting	Panel Mount
I/O Connection	6 Pin Phoenix Open Style Plug
Inputs	2 * 10-30 VDC optically isolated Currents: 2.5mA (min) @ 15V 12mA (max) @ 30V
Output	1 * 1A DC PNP outputs
Fusing	Trip Current (I_T) = 750mA Hold Current (I_H) = 400mA
Electrical Isolation	Opto-couplers Isolation Voltage - 2.5KV rms min
SEW Communications	RS-485 @ 9600 baud
SEW Connections	3 Pin Phoenix Open Style Plug
DeviceNet Connections	5 Pin Phoenix Open Style Plug
Network Address	(00 to 63)
Baud Rate	125, 250 or 500 Kb/s
DeviceNet & Push Button Configurable	MAC ID and Baud Rate

DeviceNet Connections:	
Pin No.	Description
1	V+
2	Can Hi
3	Shield
4	Can Low
5	V-

Serial Connections - RS485	
Pin No.	Description
1	-ve
2	+ve
3	0V

I/O Connections - Auxiliary Contact	
Pin No.	Description
1	+V (24VDC)
2	Input 1
3	Input 2
4	Output 1
5	Output 2
6	0V

Wire Auxiliary Contact as Input 1 - ie. connect between Pin 1 and Pin 2



Specifications

MO-CONTROL-DN-MS-DOL

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Mounting	Panel Mount
Inputs	2 * 10-30 VDC optically isolated Currents: 2.5mA (min) @ 15V 12mA (max) @ 30V
Output	1 * 1A DC PNP outputs
Fusing	Trip Current (I_T) = 750mA Hold Current (I_H) = 400mA
Electrical Isolation	Opto-couplers Isolation Voltage - 2.5KV rms min
Connections DeviceNet	5 Pin Phoenix Plug
Network Address	(00 to 63)
Baud Rate	125, 250 or 500 Kb/s
DeviceNet & Push Button Configurable	MAC ID and Baud Rate

DeviceNet Connections:	
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2	Can Hi
3	Shield
4	Can Low
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I/O Connections - Auxiliary Contact	
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