

MCS-600 Central Conveying Controls

MCS-600 Series: For up to 96 Receivers
DeviceNet Control Networks - Allen Bradley Platform

Distributed I/O Components For A Flexible, Sophisticated Control Network.

Novatec MCS-600 Series controls offer fast, secure, plug-and-play installation using pre-terminated cable sets to interconnect I/O blocks assigned to each component in the system. Installation is fast and simple, yet the system has the sophistication to handle any conveying system need. The operator interface panel interconnects with all devices in the system using a single run of DeviceNet distributed I/O cables to Input/Output Blocks.



MCS-696

Large System Control

Full control of up to 96 receivers, 16 vacuum pumps, 64 shared purge valves and material selection stations. Join two panels via Ethernet to control up to twice the number of system devices.*

Easy to Use

No need for special training... the icon driven, color graphic display allows immediate understanding and efficient control over all conveying parameters.

Easy Installation

Fast, plug-and-play installation uses convenient, low cost, molded cable sets with threaded connectors... no cutting or termination of wires and no puncturing of flat cable.

DeviceNet, Distributed I/O Cables and Hardware

A wide array of interconnecting cable sets may be easily selected to interconnect all receivers, valves, vacuum pumps and even additional controls.

10.4" Color Touch Screen

Password protected and equipped with highly intuitive, color coded icons to allow instant set-up and easy understanding by floor personnel.

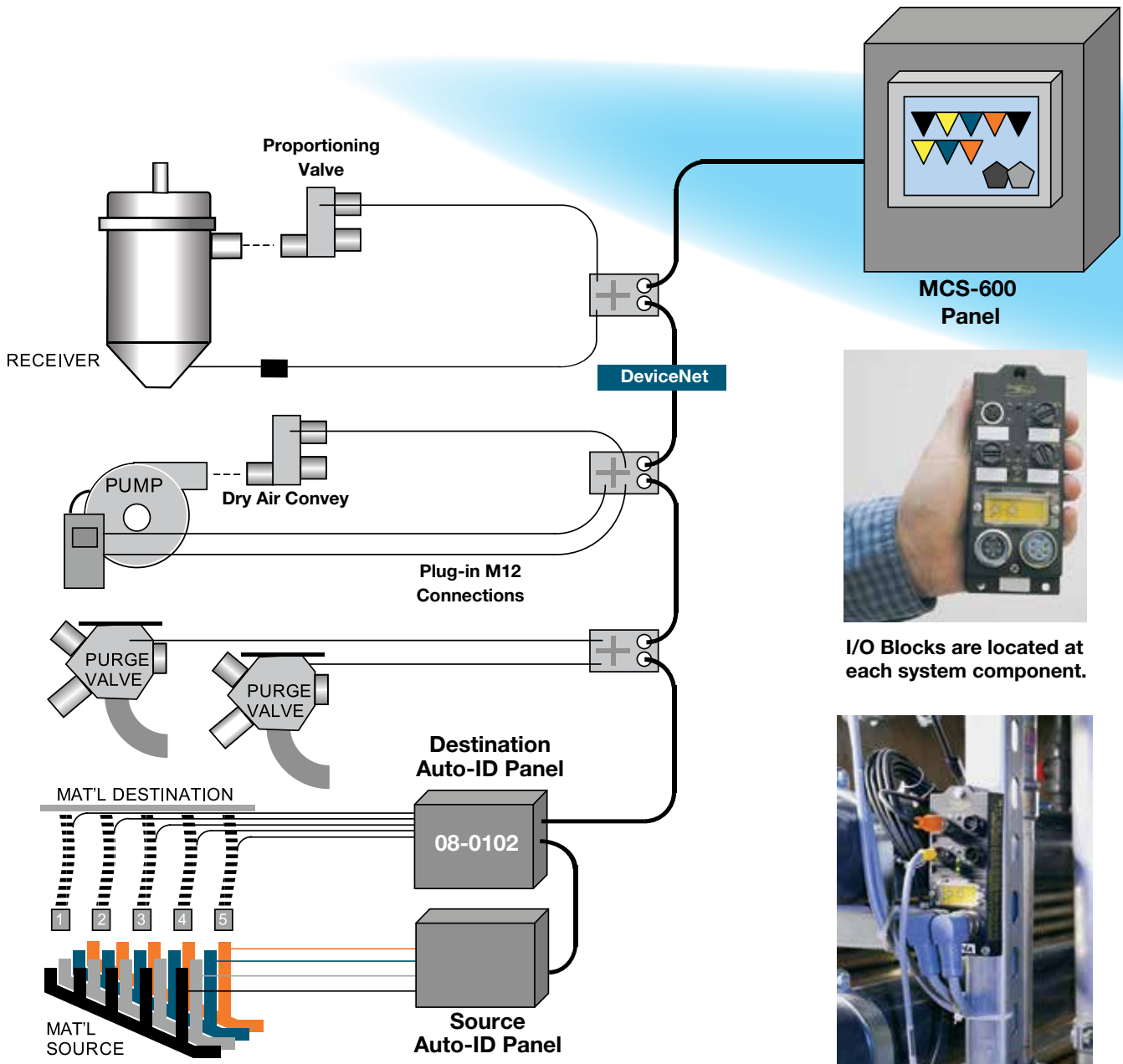
* Consult Factory for multiple panel setup.

Plus:

- 24 VDC inputs & outputs standard
- 115 or 230/1/50-60 power required
- Audible and visual alarms on the control face
- 2-Year warranty



MCS-600 Distributed I/O Control Installation



I/O Blocks are located at each system component.



Power Kit

Where usage exceeds load and/or voltage drop limits, a power booster may be required to ensure ample 24 VDC power (up to 4 amps per Power Kit). A power booster is easily installed "mid-line", wherever required.

Input Voltage:

100 - 240V, 50/60 Hz, 2 amps



Industrial strength I/O Blocks are installed near each component of the system and are assigned a unique address for communications with the central control. Receivers, pumps and valves connect to their blocks with their own, smaller circular connector cable sets.

MCS-600 PLC-Driven Touch Screen

...provides an extremely intuitive display of all conveying functions through the use of highly graphic and colorful interactive icons, personalized descriptive text and effective alarm messages. Changes to operating parameters can be made easily, with assignable levels of security, on intuitive input screens with instant feedback of accepted changes and ultra logical screen navigation.

MCS Series Conveying Control

Model	Nuber of Receivers	Nuber of Pumps	Number of Purge Valves	Processor Type	*Standard Voltage
MCS-648	up to 48	up to 8	up to 32 pre-configured	AB Compact Logix PLC	115
MCS-696	up to 96	up to 16	up to 64 pre-configured	AB Compact Logix PLC	115



Home Page



Station Setup



Vacuum Pump Setup



System Setup



Station Status



Vacuum Pump Status

Ethernet Connects MCS-600 to the World

Controls can be accessed via the web through a compatible internet browser or remote desktop application anywhere in the world. Actual HMI screens are displayed on the remote device and changes can be made easily with a simple click. Multiple security levels and access are pre-programmed with selectable passwords to prevent unauthorized viewing or changes.

View alarm logs, program material changes, monitor pump run life... all on line, from anywhere and with the help of intuitive graphics and self-explanatory icons.



