MCS-400 Series Central Conveying Controls

Compact, Mini-PLC Series for control of small central conveying systems.

Each control includes a compliment of loading features and reliable operation with connections for receiver(s) and a vacuum pump.

MCS-401 and - 401A: One receiver and one pump > MCS-405: Up to five receivers and one pump • MCS-406: Up to six receivers and one pump

Siemens Brand LOGO! Control Industry-proven mini-PLC platform rugged - reliable

On-board, Intuitive, LCD Screen

Screen aids in making control changes and prompts are shown right on the control panel



MCS-401-12 (115 VAC I/O) MCS-401 (24VDC I/O)

Controls 1 receiver and 1 pump





Parameters

- >Load Time
- > Purge Time
- > Dump Time
- > Seek Time
- Proportioning Valve A Time > Proportioning Valve B Time > Blowback Count

24VDC I/O (dual box):

> Selectable 115/1/50-60 or 230/1/50-60 power required

>5-Year warranty

Plus

115 Volt I/O (single box): Deduct 7.5" from dual box height (No-load alarm not available) 115 Volt I/O (single box): Deduct 7.5" from dual box height (No-load alarm not available)

MCS-401A-12 (115 VAC I/O) MCS-401A (24VDC I/O) Controls 1 receiver and 1 pump



>PC-1 : Proportioning Control

> PC-1 : Proportioning Control

24VDC I/O (dual box): 7.25"W x 13"H x 2"D



Parameters

- > Load Time
- > Dump Time
- > Seek Time
- > Alarm Time
- >Alarm Count
- Blowback Count

115 Volt I/O (single box):

Deduct 7.5" from box height



7.25"W x 13"H x 2"D

MCS-405A (24 VDC I/O) MCS-405A-12 (115 VAC I/O) Controls 5 receivers and 1 pump



Parameters

- Loading
- >Unloading
- > Blowback(stations 1 to 4)
- Vacuum Breaker Operation
- No-load Alarm
 (Global seek time)
 Single box design for either
 24VDC or 115 Volt I/O

Dimensions:

11"W x 11.625"H x 6.5"D

Proportioning Controls PC-1-11 (115 VAC) single box PC-1-24 (24 VDC) dual box PC-1-25 (24 VAC) dual box Same dimensions as show above

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Novatec proportioning pontrols can be used in conjunction with an MCS to control a single proportioning valve which is typically connected to the vacuum receiver inlet and the material line to

provide a layering effect to the materials being loaded. An MCS supplies power to the proportioning controller as well as a load signal that is wired in parallel to the station "T" valve. Once the load signal terminates the proportioning controller stops.

Accessories for MCS-401A & MCS-405A:



Alarm Horn and Light Kit: 115 VAC control AHL-HDB-12 24 VDC control AHL-HDB-24

Dimensions: 7"W x 13.5"H x 6"D

MCS-406 (24 VDC I/O) MCS-406-12 (115 VAC I/O) Controls 6 receivers and 1 pump





24VDC I/O (dual box): 9.25"W x 8.75"H x 2.9"D



Parameters

Load Time
Dump Time
(Global seek time)
115 Volt I/O (single box):
Deduct 7.5" from height
(No-load alarm not available)

Blowback Controls BC-1-11 (115 VAC) single box BC-1-24 (24 VDC) dual box

Same dimensions as show above



Novatec blowback controllers are designed to control the blowback solenoid of a vacuum receiver. Compressed air from the blowback solenoid pulses the pellet screen to remove plastic

particles. The blowback controller is used along with the main MCS panel when blowback is necessary. The MCS supplies power to the blowback controller as well as a station-loading signal that is wired in parallel to the station "T" valve.



Alarm Horn and Light Kit: 115 VAC control AHL-1224 VDC Control AHL-24

Dimensions: 7"W x 13.5"H x 4.25"D

NOTE: 115 VAC control voltage not possible with 220 VAC power supply. (All models)

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