

MIMIC PANEL
MIMIC CONTROLLER

MCP2001P
MCP2001C



Valve Status & Feedback Indication

Auto Flushing during Changeover

Process Interlocks

Manual Utility Selection

Operation START/STOP

Mimic Panel near Reactor in SS316 MOC

Does Not Require 21 CFR Part 11 Compliance

Features

- Manual Utilities Selection
- Operation START/STOP
- Adjustable Control Valves Opening (0-100%)
- Drive & Feedback status Red & Green LEDs
- Valve Faults status by Flashing LEDs
- Process Interlocks
- Auto Flushing during Change over
- 4 AI's(4-20mA) (Optional)
- LED Display's for Set point, PV and PCV
- Mimic Panel near Reactor in SS316 MOC
- Remote Mimic Controller in Aluminium
- Hazardous Area Application
- Graphical LCD Display (Optional)

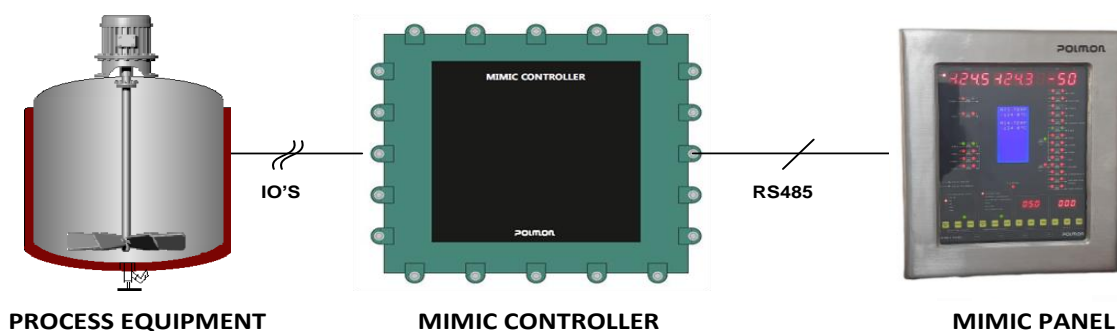
Advantages

- HMI replacement for Small Automation
- Improves process safety without regulatory burden
- Reduces Cable load & Installation time

Applications

- Reactor Utility Automation
- Heating & Cooling Skid Control
- Replacement for Pneumatic panels

Network Architecture

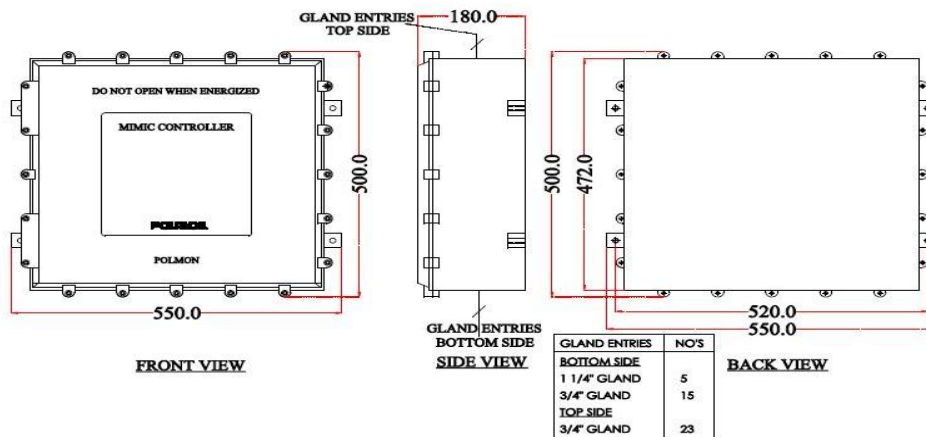


Specifications

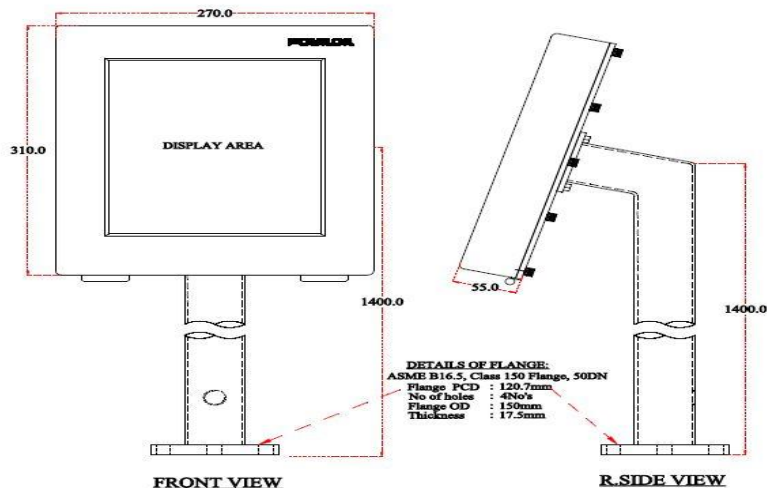
Mimic Controller	
Technical	
Model No.	MCP2001C-X-X-X-X-X-X-X-X-X-X
Digital Outputs (24VDC-Comm)	22 (Form A)
Digital Inputs (24VDC)	44 (Dry Contact)
Analog Outputs (4-20mA)	2
Analog Inputs (4-20mA)	4
Emergency push button input (DI)	1
Hooter Output (DO)	1
Communication	RS485 MODBUS RTU (or) Ethernet MODBUS TCP/IP
Power Supply	
Input Voltage	230V AC, 200W
Physical	
Enclosure	Flame proof for Zone1, Zone2 Gas Gr.IIA, IIB
Material	Aluminium
Weight	30kg(Approx)
Mounting	Wall Mounting
Dimensions (L X W X D)	550 x 500 x 180 mm
Cable Entries	15 No's 3/4" ET(Bottom Entry) 5 No's 1 1/4" ET(Bottom Entry) 23 No's 3/4" ET(Top Entry)
Glands/Dummies	Not Provided (Order Separately)
Environmental	
Operating Temperature	10-50°C
Humidity	10-95%RH, Non-Condensing

Mimic Panel	
Technical	
Model No.	MCP2001P-X-X-X-X-X-X
Reactor Utility Selection	Capacitive Touch Selection with 6 or 8 Status LEDs
Condenser Utility Selection	Capacitive Touch Selection with 6 Status LEDs
Valve Drive Status LEDs	22 RED/GREEN
Valve Feedback Status LEDs	22 RED/GREEN
PCV Control Outputs	2 (4-20mA)
PCV Control Selection Keys	INC, DEC, ZERO
Start Key for Utilities	2 (Reactor, Condenser)
Stop Key for Utilities	2 (Reactor, Condenser)
Display	0.56" 4 Digit Seven Segment LED for PV/SP 0.3" 1 Digit Seven Segment LED for PCV 128x64 Dots Graphical LCD(Optional)
Keypad	Capacitive Touch Keys
Communication	RS485 MODBUS RTU
Power Supply	
Input Voltage	24V DC, 250mA
Physical	
Enclosure	Flame proof for Zone1, Zone2 Gas Gr.IIA, IIB
Material	SS316
Weight	10kg(Approx)
Mounting	Floor Mounting with SS316 Stand
Dimensions (L X W X D)	270X310X55 mm
Cable Entries	1 No 3/4" ET
Environmental	
Operating Temperature	10-50°C
Humidity	10-95%RH, Non-Condensing

MECHANICAL DRAWING OF MIMIC CONTROLLER



MECHANICAL DRAWING OF MIMIC PANEL



Note: For Ordering Information Contact Factory

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All specifications are subject to change without notice.
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