BriskHeat *Your Heating Specialist Since 1949*

MPC2 TEMPERATURE CONTROL PANEL ORDERING INFORMATION

Complete the MPC2 part number by entering the customer requested requirements.

Customer _____ Submitted By: _____

Contact Name: _____ Phone: _____ Email: _____

Environmental/Approval requirements (mark all that apply):
☐ Wet-area or outdoors ☐ NEMA 4X
☐ CE ☐ UL508A

MPC2- [ ][ ][ ][ ][ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ][ ]

Input Voltage: _____
1- (120), **5**- (208), **2**- (220 to 240), **9**- (277), **G**- (347), **B**- (380),
C- (400 to 415), **4**- (480), **H**- (575 to 600), **7**- (208 Φ3), **6**- (240 Φ3), **D**- (380 Φ3),
E- (400 to 415 Φ3), **8**- (480 Φ3), **K**- (575 to 600 Φ3)

Output Voltage: _____
1- (120), **5**- (208), **2**- (220 to 240), **9**- (277), **G**- (347), **B**- (380), **C**- (400 to 415),
4- (480), **H**- (575 to 600), **7**- (208 Φ 3), **6**- (240 Φ3), **D**- (380 Φ3),
E- (400 to 415 Φ3), **8**- (480 Φ3), **K**- (575 to 600 Φ3)

Number of Zones: (Specify Number) _____

Alarm Options: _____
A - (Audible), **C** - (Dry Contact (Remote), **B** - (Audible and Dry Contact),
N - (None), **X** - (Dry contact hardwire), **Y** - (Dry contact hardwire with audible)

Output Connector Type: _____
W - (Hardwire), **C** - (Harting connector), **T** - (Twist Lock)[6]

Communications: _____
R - (RS-485), **C** - (RS-232), **E** - (Ethernet), **N** - (None),
X - (RS-485 hardwire), **Y** - (RS-232 hardwire), **Z** - (Ethernet hardwire)

Overcurrent Protection Device (per zone)[4]: _____
10 - (10 AMP), **15** - (15 AMP), **20** - (20 AMP), **25** - (25 AMP), **30** - (30 AMP),
35 - (35 AMP), **40** - (40 AMP), **60** - (60 AMP)

Zone Protection[7]: _____
F - (Fuse), **B** - (Circuit breaker)

Power Disconnect: _____
S - (Door switch), **F** - (Door switch with fuse), **I** - (Breaker)
B - (Door switch with breaker), **N** - (None)

Heater E-Stop: _____
E - (Door mounted button), **N** - (None)

Ground Fault Protection: _____
I - (Inlet power), **Z** - (One per zone), **N** - (None)

Sensor Connections: _____
J - (Type J mini-connector), **K** - (Type K mini-connector),
R - (RTD Connector), **X** - (Type J hardwire), **Y** - (Type K hardwire), **Z** - (RTD hardwire)

Zone Controller Switch: _____
A - (One for all zones), **Z** - (One per zone), **B** - (Both), **N** - (None)

Enclosure: _____
C - (Mild Steel), **F** - (FRP with swing panel, (Nema 4X)), **S** - (Stainless steel)

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Configuration Notes:

1. Supply power (inlet voltage) to be hardwired into MPC2 panel
2. Construction per NEMA 4 and 4X, as well as to CE standards, may limit options. NEMA 4X construction meets IP65 rating. Standard Construction is NEMA 1 and meets IP40 rating.
3. Ensure voltage for heating elements match output voltages
4. If output current exceeds 40 AMPS, the heating elements MUST be hardwired
5. Not all voltage and feature options are compatible. Contact your local distributor or BriskHeat for more information.
6. Twist lock output connectors ARE NOT 'CE' approved connections
7. When voltage is above 240, and amps are greater than 30 per zone, fused zone protection is required.

Input and Output Voltages:

Table 1 is a list of all voltages available for either the input (power source) or the output (heaters). Table 2 shows all allowable combinations of input and output voltages.

Table 1: Voltage

Voltage Identifiers	
1	120
5	208
2	220 to 240
9	277
G	347
B	380
C	400 to 415
4	480
H	575 to 600
7	208 Φ3
6	240 Φ3
D	380 Φ3
E	400 to 415 Φ3
8	480 Φ3
K	575 to 600 Φ3

Table 2: Available Voltage Combinations

Part No.		Voltage Combinations	
Input	**Output**	**Input**	**Output**
1	1	120	120
5	5	208	208
2	2	220 to 240	220 to 240
9	9	277	277
G	G	347	347
B	B	380	380
C	C	400 to 415	400 to 415
4	4	480	480
H	H	575 to 500	575 to 600
7	7	208 Φ3	208 Φ3
7	5	208 Φ3	208
7	1	208 Φ3	120
6	6	240 Φ3	240 Φ3

Part No.		Voltage Combinations	
Input	**Output**	**Input**	**Output**
6	2	240 Φ3	220 to 240
D	D	380 Φ3	380 Φ3
D	B	380 Φ3	380
D	2	380 Φ3	220 to 240
E	C	400 to 415 Φ3	400 to 415
E	E	400 to 415 Φ3	400 to 415 Φ3
E	2	400 to 415 Φ3	220 to 240
8	8	480 Φ3	480 Φ3
8	4	480 Φ3	480
8	9	480 Φ3	277
K	K	575 to 600 Φ3	575 to 600 Φ3
K	G	575 to 600 Φ3	347
K	H	575 to 600 Φ3	575 to 600

List heating elements to be used/quoted with the MPC2:

List any special features required that are not included above: