

Monitor Motor Control Panel (MMCP)

For use with model 8394053 Spit-Fire monitor



MMCP

The primary function of the Monitor Motor Control Panel (MMCP) is to provide power to the electrical motors on the monitor and nozzle. It also has an auxiliary power supply to provide power and control for motor operator valves. This is accomplished by control signals sent by an Operator Control Panel (OCP), and then engaging the associated relay for the connected monitor which then executes the required function. This panel has a default wiring configuration of 220 VAC 60 Hz. The panel can be reconfigured to accommodate either 110/120 VAC 50/60Hz. or 440/480 VAC 50/60Hz. input voltages by changing jumpers. A diagram of jumpers, fuses, and function connections are located inside of the panel.

Features:

- **Construction:** Stainless Steel enclosure rated for Hazardous Location Class I, Division 2
- **Compliance:** (NFPA 70) NEC: 2008, Article 501 - Class I, Groups "B, C, & D," Division 2 & Article 505 - Class I, Zone 2, AEx nA IIC T3 requirements; UL labeled.
- **Control Power:** On/Off 2-position selector switch
- **Pilot Lights:** Shows panel control power on
- **Internal Power:** 24 VDC power supply for controls
- **Control Relays:** 24 VDC, 37mA relay inputs for: Monitor directions (UP, DOWN, LEFT, RIGHT), Nozzle (STRAIGHT STREAM and FOG), and Water Valve (OPEN and CLOSE), and Auxiliary Device (ON and OFF)
- **Water Valve and Auxiliary Device Options:** Fused external 24VDC or 120VAC power for operation of valve or device per system requirements
- **Water Valve position feedback and Auxiliary Device Feedback options:** Terminal block relays are supplied for 24VDC or 120VAC voltage systems to provide feedback of the device being operated
- **Conduit Knockout and Hubs:** Supplied by customer

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SPECIFICATIONS	
Model	81471068
Input Power	120/240 VAC (50/60Hz.)
	440/480 VAC (50/60Hz.)
	600 VA Max. Power
Electrical Load	5 AMPS Max. at 120/240 VAC
	1 AMP Max. at 440/480 VAC
Fused Output Power	24 VDC - 5 AMPS MAX
	120 VAC - 3 AMPS MAX
Dimensions	24" x 30" (610mm x 762mm)
Weights	Approx. 100 lbs. (45 kg)
Temp Range	+14°F to +158°F (-10°C to +70°C)
Certifications	UL Inspected and labeled (Class I, Division 2)
	CE ATEX certification available upon advanced request

