

FIRE PUMP CONTROLLER

For Electric Motor Driven Fire Pumps

Hazardous Area, for Zones 1 & 2 (Class 1 Division 1)

Type **MP600-EN-EX P**



**Metron
Eledyne**

Release 1.2

Features:

The Metron Eledyne type MP-600-EN range of electric motor fire pump controllers have been designed in accordance with the requirements of EN12845, for electric motor driven firewater pumps for automatic sprinkler installations. The standard range covers all motor ratings up to 1425kW from a 2.4kV to 6.6kV power supply using a direct on-line starting configuration. Higher motor ratings and non-standard supply voltage versions are available upon request.

This control panel has an explosion protection rating of Ex P IIB T4 in accordance to IEC/EN60079-2, & NFPA 496 with an ingress protection to IP66. The unit is supplied with a test certificate ATEX ITS03ATEX11282X and to IECEx ITS08.0044X. The controller is suitable for hazardous areas zone 1 and 2.

Note: Zone 1 requires supply isolation upstream of the controller upon loss of purge pressure. (Contacts provided)

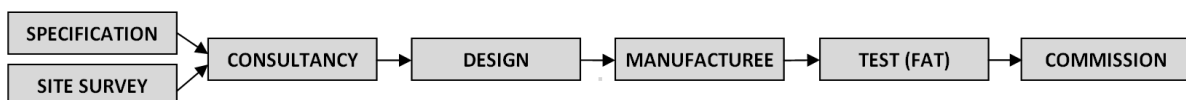
All components are fitted in a heavy duty fabricated stainless steel weatherproof enclosure, ATEX certified Clean Air Purge System with a standard paint finish to our PSO396 or to any customer specific finish to a RAL or BS colour, with a minimum paint thickness of 50 or optional 150 microns.

The primary control element in the MP600-EN is a fixed mount style vacuum bottle contactor with an isolating disconnect switch. Integral to the disconnect switch are “R” rated current limiting cartridge style fuses. Two fused potential/control transformers (PTs) are also contained within the cabinet. These transformers provide both input signals to the monitor circuits as well as control power for the MP600-EN. For testing purposes, it is possible to supply 230v or 120VAC power directly to the control section through a built-in test receptacle and test switch.

The MP600-EN has both front and rear access. Front access is for easy access to the control circuits. Rear access is provided for termination of the incoming power and termination of the motor connections. Incoming power and motor connections enter through the bottom of the controller enclosure.

Phase failure monitoring providing local and remote indication of mains failure in the event of any or all incoming mains phases being disconnected. The control circuit is protected by fuses.

Wiring terminates at clearly marked termination points. External cable connections are through an enclosure bottom-fitted cable gland plates.



EN12845 EX P

RoHS & WEEE
COMPLIANT
WEE/CFO105WV



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