

FIRE PUMP CONTROLLER For Diesel Driven Fire Pumps

Metron
Eledyne

TYPE **EFP/EN12845-ES**

Release 1.3

Features:

The Metron Eledyne controller type EFP/EN12845-ES is designed to specifically meet the latest requirements of **UNE-EN12845**, specifically adapted for Spain.

The user-friendly traditional controls with high reliability control modules and relays have been exhaustively tested for performance and freedom from interference. As a result the controller is fully compliant with all the latest CE requirements for electromagnetic compatibility.

The components are installed in a NEMA 2 (IP54) dust and drip proof enclosure with an option of NEMA 4 (IP65) weatherproof enclosure, in either mild steel or stainless steel. Finished in accordance to Metron Eledyne paint specification PSO396.

The controller's logic is based on discrete components using the latest technology with high quality high reliability pcb mounted relays. The control board controls all automatic engine cranking, battery under voltage and all other engine monitoring. The crank timer also incorporates an alternate battery start.

Inside the controller, mounted in the cabinet, are two fully automatic battery chargers. These are of a constant voltage and constant current design each rated at 8 Amps. The battery chargers operate in such a manner as to ensure that the engine batteries are fully charged within 24 hours. Also located within the battery charger is a battery and battery charger monitoring circuit.

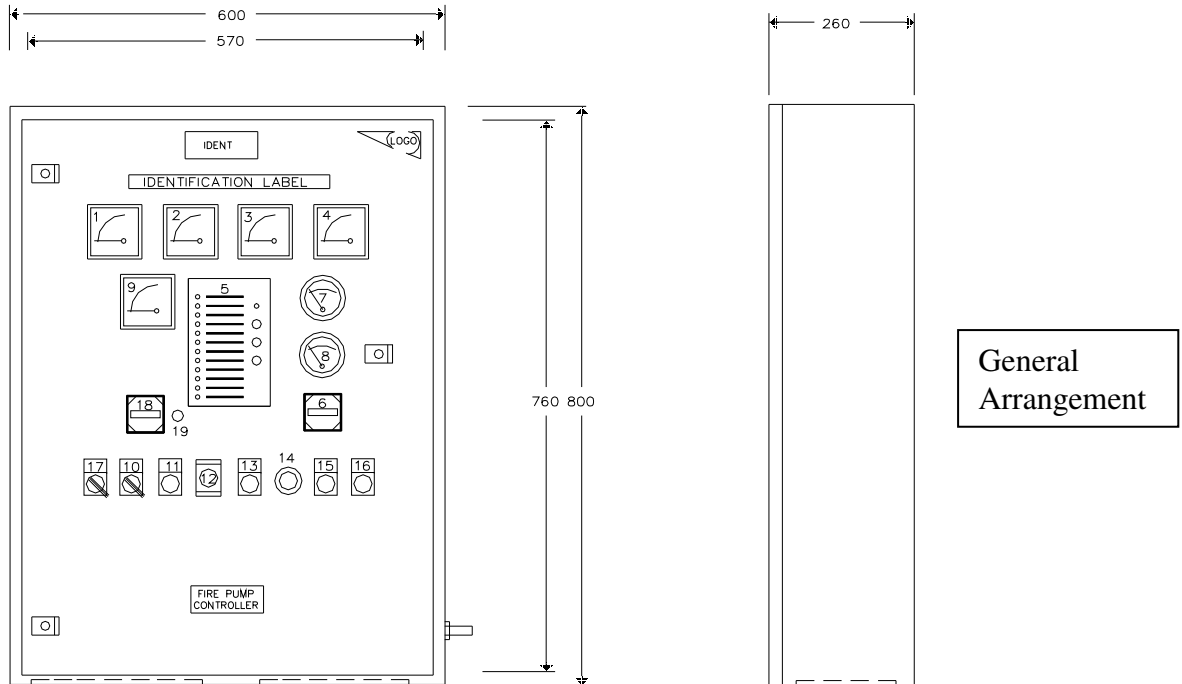
The controller may be wall mounted or fixed to the engine skid using anti vibration mounts. A free- standing plinth is also available as an option.

An integral jockey pump output and control circuit maybe provided by use of option J.



RoHS & WEEE
COMPLIANT
WEE/CFO105WV





Fascia Mounted:

Battery 1 & 2 Ammeter
Battery 1 & 2 Voltmeter
Annunciator Module
Hours Run Counter
Oil Pressure Gauge
Water Temperature Gauge
Engine RPM speed tachometer
Mode Switch (Auto-off-Man)
Test Start P.B, with lamp
Emergency Start P.B, with cover
Engine Stop P.B
Alarm Sounder
Crank 1 battery P.B
Crank 2 battery P.B
J. P Mode switch (Option J)
J. P # of starts counter (Option J)
J. P Running Lamp (Option J)

Option Feature

A	Anti-condensation heater
P	Pressure switch
J	Jockey Pump

Remote alarm signals

Volt free changeover contacts are provided to remotely monitor the following:

Engine Running
Not in Auto Mode
System Fault
Pump On Demand
AC/Charger Failed

Annunciator Indicators:

AC/Charger Fail
Battery 1 Healthy
Battery 2 Healthy
Auto Mode On
Manual Mode
Test Mode
Jockey Pump Fault
High Water Temperature
Low Oil Pressure
Failed to Start
Low Water Level
Water fault <60%
Pump on demand
Pump at/not Pressure

When ordering, please specify:

Battery voltage and type, options, flywheel teeth.



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