

FIRE PUMP CONTROLLER

For Electric Motor Driven Jockey Pumps

**Metron
Eledyne**

Type **LPC/JP**

Release 1.3

Introduction:

This LPC jockey pump controller is specifically designed to start and stop one jockey pump motor in conjunction with a pressure switch input.

Features:

All components are housed in a thermoplastic IP65 enclosure finished in grey. The base has two knock outs at the bottom for cable glands. A 4 pole mains isolator is fitted with a motor contactor and overload module. An external motor overload reset push button is also provided. The unit is controlled via a simple two wire input, close to run, open to stop.

Ratings:

There are three basic controller cabinet sizes available as standard (see next page for dimensions) depending on the motor size. The standard range caters for 5.5kW to 18.5kW. Larger ratings available upon request.



LPC / BS5306

Image shows 5.5kW unit

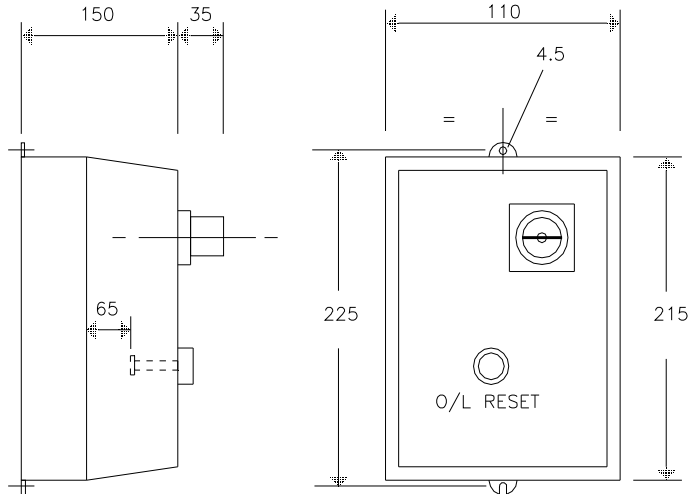
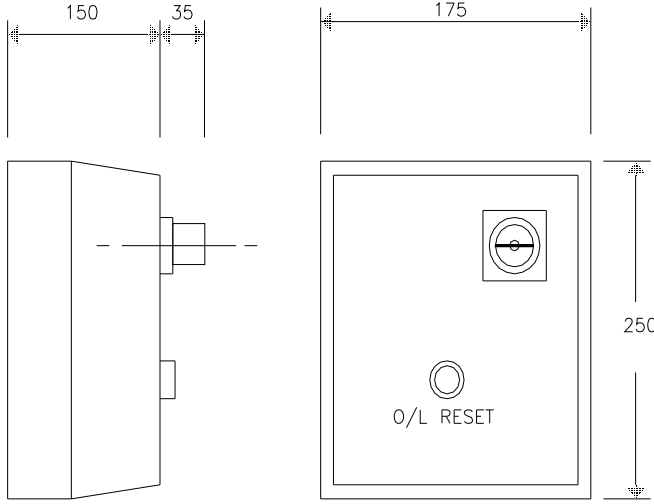
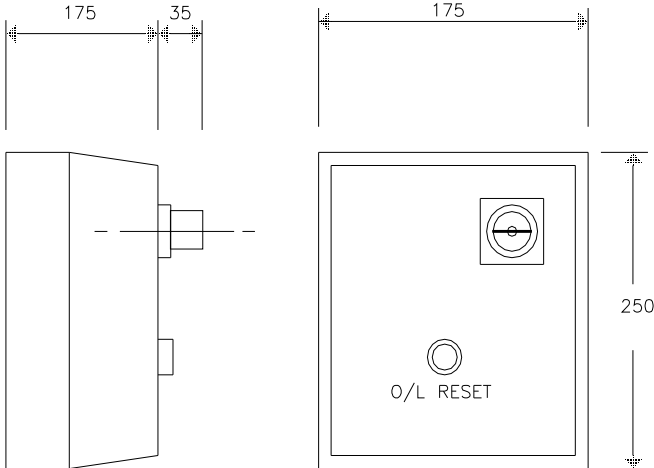
Overload Selection List	
Motor FLC Range	Overload type
1.0 -1.6A	MER2-1.60
1.25 -2.0A	MER2-2.00
1.6 -2.5A	MER2-2.50
2.5 -4.0A	MER2-4.00
4.0 -6.0A	MER2-6.00
5.5 -8.0A	MER2-8.00
7.0 -10.0A	MER2-10.00
9.0 to 13A	MER2-13.00
12 to 18A	MER2-18.00
17 to 25A	MER2-25.00
25 to 32A	MER2-32.00

Options
Pump running, N/O volt free contacts
Pump overload N/O volt free contacts
Minimum run timer

RoHS & WEEE
COMPLIANT
WEE/CFO105WV



External View and Dimensions.

5.5kW	
7.5 kW to 11kW	
18.5kW	



METRON ELEDYNE

18 Autumn Park, Dysart Road, Grantham, Lincs. NG31 7DD. United Kingdom
 Telephone: +44 (0) 1476 516120 FAX: +44 (0) 1476 516121 email: info@metroneledyne.co.uk
www.metroneledyne.co.uk

FURTHER COMPONENT DATA

Up to 5.5kW

The incoming supply is terminated directly onto the Isolator

Isolator

Description: 3 pole switch disconnecter 16A
Manufacturer: Lovato Type: GAO16A
Approvals: IEC/EN60947-3 UL listed 1ID1
600V / 16A AC22A & AC23A
60/75 Deg C rated, use on CU wire 18-6 AWG, terminal torque= 16-18lb

The motor connections are terminated directly onto the Overload module.

Overload

Description: 3 pole bimetal overload
Manufacturer: Chint Type: MER-
Elodyne Stock: varies
Approvals: IEC/EN60947-4-1 VDE 40003476

Motor FLC Range	Overload type
1.0 -1.6A	MER2-1.60
1.25 -2.0A	MER2-2.00
1.6 -2.5A	MER2-2.50
2.5 -4.0A	MER2-4.00
4.0 -6.0A	MER2-6.00
5.5 -8.0A	MER2-8.00
7.0 -10.0A	MER2-10.00

Cable details:

Number of Cables	Flexible Cable with cold pressed Socket	Flexible Cable without cold Press socket	Inflexible Cable	Tighten Torque
1-2	2.5mm ²	4mm ²	4mm ²	0.8nm