

MOTOR CONTROL UNIT

Assembled in Pakistan with Best Quality Imported Components

- For 50 Hz / 60 Hz, Three Phase Motors
- Direct on Line Connection
- Automatic Star Delta Connection



MAK Pumps Company (Private) Limited

Plot No. 87, Industrial Estate Jamrud Road,
Peshawar (Khyber Pakhtunkhwa) PAKISTAN
Tel. : +92 91 5812472, 5812473
Fax : +92 91 5836254
Email : info@makpumps.com

www.makpumps.com

MOTOR CONTROL UNIT



Assembled in Pakistan with Best Quality Imported Components

Quality, reliability of a product together with a competitive price are the basis of our every business activity. That is the reason why we are always eager to satisfy the request of a customer, to seek innovation and new resources, to sustain a fervent activity of development and prototype planning.

These motor control units and accessories production consists of different high quality imported components. These are destined to supervise different possible faults and easy to compound. Moreover, these control units contribute to the complexity of the starter and they help the starter to have a smooth, high level technical performance.

These motor control units particularly suitable to command surface and submersible electric pumps. The range includes DOL (from 10 HP to 40 HP) and ASD (from 10 HP to 150 HP) control panels for one motor start.

Enclosure

Metal Box with powder coated paints, protection class IP32, sustain in all type of weathers.

Magnetic Contactor

CE passed magnetic contactor with double NC and NO switching option, designed for inductive (AC motor/compressor) load.

Circuit Breaker

Moulded case, three pole circuit breaker to protect an electrical circuit from damage caused by overload or short circuit.

Electronic / Thermal Overload Relay

Inductive load high sensitive electronic / thermal overload relay with auto reset and manual reset option, built-in overload limit knob.

Phase Failure Protection

Electronic protection device give motor protection against phase sequence, phase failure, phase imbalance, high and low voltage.

Dry Running Protection

The motor control unit also monitor the water level, the attached probe sense the water level and gives signal to control unit which turn off the motor when water level falls below specified level.

Phase Indication Lights

Multi LED base consisted lights in different colour to indicate each individual trouble shooting sign.

- OFF Status/Stop
- Low Water Level/Dry Running
- ON Status/Running
- Phase Failure/Underover Voltage

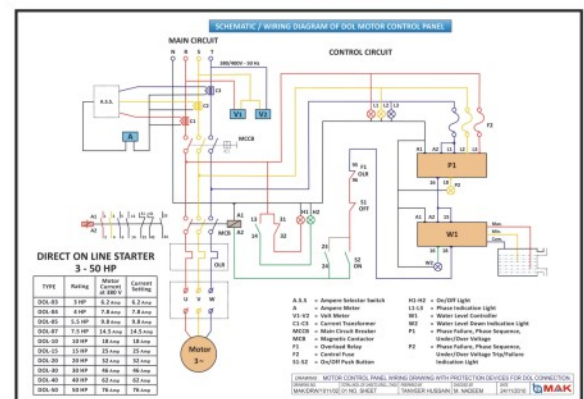
Push Button

Two (2) nos. single push buttons to latch magnetic contactor for start and stop the motor.

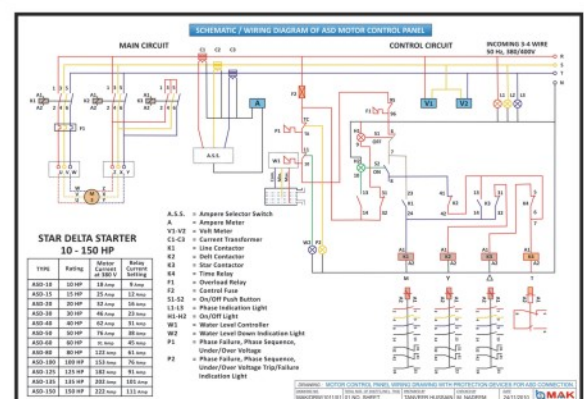
- To execute OFF/Stop Command
- To execute ON/Run Command



Inner View of Motor Control Unit



Schematic/Wiring Diagram for DOL Connection



Schematic/Wiring Diagram for ASD Connection