

Electric Motor Controller

Type H200-xkW-xV Version 1.04



Technical Datasheet

This electric motor controller, type H200, is specifically designed to meet and exceed the requirements of standards EN12845 and LPC TB210. The controller will start and stop one electric motor by star-delta starting means which is activated by a pressure switch input or by a manual start push button. Other starting methods such as direct on line, VFD & soft start are also available.

At the heart of the control system is a Harrijess electric motor control board and a PLC with a LCD and keyboard. This combined system provides a user friendly interface for ease of set up, operation and installation.



External view, 55kW

The PLC with its display provides the following information:

- Motor running, stopped and failed to start
- Mains supply monitoring
- Pump on demand indication (from pump on demand or remote start input)
- Motor inhibited (from inhibit start input)
- Auto mode available
- Motor hours run
- Number of starts

The following timers and set points are available:

- Delay start timer,
- Failed to start timer,
- Star to delta timer

Volt free contacts are provided, with a rating for 10A at 250v for:

- | | |
|----------------------|-----------------|
| Mains supply status, | Pump on demand, |
| Pump running, | Pump Failed |

The motor protection is via BS rated fuses sized in accordance to BS-EN12845 and TB210. A motor ammeter is provided. The enclosure is typically sized at 500x400x 200mm deep rated to IP51 and is manufactured from mild steel finished with a powder coat to RAL7035 (grey). The standard range presently goes up to and including 110kW at 415v, higher ratings upon request.

There is plenty of space for the incoming mains and motor cables, which terminate directly onto terminals.