Unidrive M200 features

M201 variant has additional speed reference potentiometer

Optional AI-485 Adaptor for RS485 communications

Optional AI-Back-up Adaptor allows the drive to use an SD card for parameter cloning and acts as an input for 24 V back-up

LED keypad fitted as standard for quick commissioning and easy use

Optional IP66 rated Remote keypad also available with intuitive plain text multilingual back-lit LCD display for rapid set-up and superior diagnostics

Conventional surface and DIN rail mounting (DIN rail mounting available on size 1 and 2 only)

User-friendly control connections

Drive rated to IP21 / UL open class (NEMA 1) on size 1 to 4 as standard

Conduit kits are available to meet UL Type 1 rating

Easy-to-disconnect internal EMC filter*

User-friendly power connections*

Easy-to-remove terminal cover with tool-less close system (patent pending)

Robust cable management system providing grounding point for shielded control and power cables

Typical System Integration (SI) option module

System Integration (SI) module slot for communications and additional I/O

*Features and their locations vary on some drive sizes

Unidrive M200 AC drive at a glance:

Flexible machine integration through communications

M200 delivers substantial communication and application integration through optional RS485 plus a wide range of industry standard fieldbus and I/O SI modules. Enhances machine up-time and performance with its remote control monitoring and diagnostics possibilities.

Enhance productivity through easy integration with automation systems and reduce machine downtime

Unidrive M200 provides optional RS485 communications and a port for a System Integration (SI) option module. SI modules include Ethernet, EtherCAT, PROFIBUS, DeviceNet and CANopen network communications, and additional I/O. These allow remote control and diagnostics across different networks.

Maximize productivity with high performance control of AC motors

Unidrive M200's advanced RFC control algorithm ensures maximum stability and machine control. It provides a high bandwidth motor control algorithm with 166 µs current loop update rates and 180 % motor overload for heavy industrial machinery applications.

Robust design

Using extensive customer research, Unidrive M200 has been designed and tested for leading reliability in manufacturing environments. It features:

- Unique advanced cooling design featuring a patented flow system that helps cool the drive more effectively while protecting internal components
- Conformally coated PCBs
- 180 % overload for 3 s or 150 % for 60 s
- Wide supply voltage tolerance
- Drive meets IP21 as standard
- Higher temperature operation with de-rating
- Intelligent 3 speed user-replaceable cooling fan with patented fan-fail detection circuit