



# Unidrive M200

Distributor buying and stocking guide

# Unidrive M200, the drive for distributors

LED keypad fitted as standard for quick commissioning and easy use

User-friendly control connections

Useful parameter guide on drive front panel



Conventional surface and DIN rail mounting\* (Up to 1.5 kW)

User-friendly power connections

Open hole facilitates mounting

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

System Integration (SI) option module

\*Additional fixings recommended where heavy vibration is expected

# Unidrive M200 – benefits for distributors

## Fast delivery

- Express availability offering for distributors
- Short, clear and reliable lead times
- 24 hour shipping available
- Reduce your inventory holdings

## Cut after sales costs

Unidrive M200's ease of installation and getting started, as well as its high reliability, ensures that customers keep returning and require no after sales support.

## Ease of installation and getting started

- First drive choice to get started quickly
- Mounting template printed on box
- Helpful getting started guides and online videos available
- A remote LCD keypad is available for fast IP66 panel mounting
- Fast install DIN rail mounting supported to 1.5 kW (2 hp)\*
- 5 x digital I/O, 3 x analog I/O, 1 x relay

## Ease of use

- Easy to use fixed LED keypad as standard
- Useful parameter guide on the front of the drive
- Parameter transfers via SD card and PC tool even when powered down

## Reliability

Unidrive M200 is extremely reliable, build quality is ensured using world leading manufacturing processes. M200 is packed with features proven to keep systems running in environments as described by IEC60721-3-3 3C3 and EN60068-2-60 Meth. 4.

- PCBs conformally coated for resilience to harsh environments
- Patented air flow system cools and protects components
- Voltage tolerance for smooth operation during variable supply
- Intelligent 3 speed replaceable fan with failure detection
- Trip avoidance features take action instead of tripping out:
  - Load shedding reduces speed at current limits
  - Supply loss ride-through runs during brown outs
- High overload capability – 180% for 3 s or 150% for 60 s

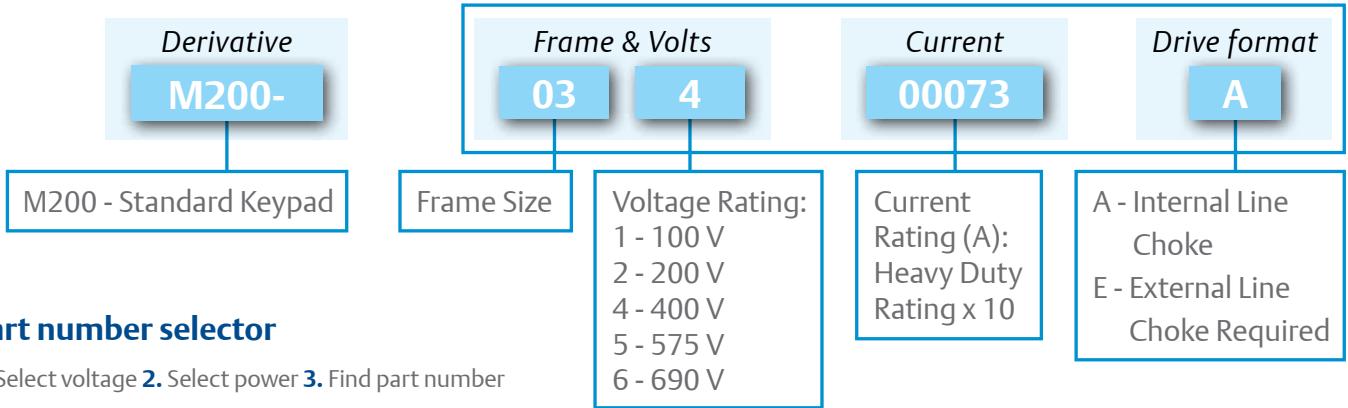
\*additional fixings recommended where vibration is expected

## Value for money

- Most competitive drive with this feature set and quality
- Wide size range means you pay only for the power you need



## Key:



## Part number selector

1. Select voltage 2. Select power 3. Find part number

- Recommended Stock Item Priority 1
- Recommended Stock Item Priority 2
- Recommended Stock Item Priority 3

	0.25 kW	0.37 kW	0.55 kW	0.75 kW	1.1 kW	1.5 kW	2.2 kW	3.0 kW	4.0 kW	5.5 kW	7.5 kW
100V	M200-01100017A (Size 1)	M200-01100024A (Size 1)		M200-02100042A (Size 2)	M200-02100056A (Size 2)						
200V	M200-01200017A (Size 1)	M200-01200024A (Size 1)	M200-01200033A (Size 1)	M200-01200042A (Size 1)	M200-02200056A (Size 2)	M200-02200075A (Size 2)	M200-03200100A (Size 3)	M200-04200133A (Size 4)	M200-04200176A (Size 4)	M200-05200250A (Size 5)	M200-06200330A (Size 6)
400V		M200-02400013A (Size 2)	M200-02400018A (Size 2)	M200-02400023A (Size 2)	M200-02400032A (Size 2)	M200-02400041A (Size 2)	M200-03400056A (Size 3)	M200-03400073A (Size 3)	M200-03400094A (Size 3)	M200-04400135A (Size 4)	M200-04400170A (Size 4)
500V						M200-05500030A (Size 5)	M200-05500040A (Size 5)	-	M200-05500069A (Size 5)	M200-06500100A (Size 6)	M200-06500150A (Size 6)

## Energy savings advisor

Work out your energy savings at the press of a button:  
[www.emersonindustrial.com/esa](http://www.emersonindustrial.com/esa)



## Remote keypad LCD

Remote mountable, intuitive plain text, multilingual LCD keypad for rapid set-up and superior diagnostics



## Dimensions and Weight



Frame Size		1	2	3	4	5	6	7	8	9A	9E
Dimensions (H x W x D)	mm	160x75x130	205x78x150	226x90x160	227x115x175	365x143x202	265x210x227	508x270x280	753x310x290	1049x310x290	1010x310x290
Weight	kg	0.75	1.0	1.5	3.13	7.4	14	28	52	66.5	46

	11 kW	15 kW	18.5 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW	90 kW	110 kW
	M200-06200440A (Size 6)	M200-07200610A (Size 7)	M200-07200750A (Size 7)	M200-07200830A (Size 7)	M200-08201160A (Size 8)	M200-08201320A (Size 8)	M200-09201760A (Size 9A) M200-09201760E (Size 9E)	M200-09202190A (Size 9A) M200-09202190E (Size 9E)			
	M200-05400270A (Size 5)	M200-05400300A (Size 5) M200-06400350A (Size 6)	M200-06400420A (Size 6)	M200-06400470A (Size 6)	M200-07400660A (Size 7)	M200-07400770A (Size 7)	M200-07401000A (Size 7)	M200-08401340A (Size 8)	M200-08401570A (Size 8)	M200-09402000A (Size 9A) M200-09402000E (Size 9E)	M200-09402240A (Size 9A) M200-09402240E (Size 9E)
	M200-06500190A (Size 6)	M200-06500230A (Size 6)	M200-06500290A (Size 6)	M200-06500350A (Size 6)	M200-07500440A (Size 7)	M200-07500550A (Size 7)	M200-08500630A (Size 8)	M200-08500860A (Size 8)	M200-0951040E (Size 9E) M200-0951040A (Size 9A)	M200-0951310E (Size 9E) M200-0951310A (Size 9A)	-

### AI-Back-up adaptor

Provides SD card usage for programming/cloning



### SI-Ethernet module

Connect to any PLC.  
Supports Ethernet/IP,  
Modbus TCP/IP, web pages



# Unidrive M200 options and accessories

- Recommended Stock Item Priority 1
- Recommended Stock Item Priority 2
- Recommended Stock Item Priority 3

## Select options:

Optional keypad	Order code	Option modules	Order code
<p>Remote Keypad: Remote mountable, intuitive plain text, multilingual LCD keypad for rapid set-up and superior diagnostics (using the AI-485 adaptor along with a comms lead). Rapid and secure panel fit with 1 x 32 mm hole rated to IP66 (NEMA 4).</p> 	8250000000001	<p>SI-EtherCAT: EtherCAT interface module</p> 	82400000018000
<p>Remote keypad RTC: The keypad is remote mountable, allowing flexible mounting on the outside of a panel (meets IP54/ NEMA 12). Three line plain text, multi-language LCD keypad for rapid set-up and helpful diagnostics. Battery operated real-time clock allows accurate time stamping of events, aiding diagnostics.</p> 	82400000019600	<p>SI-PROFIBUS: PROFIBUS interface module</p> 	82400000017500
		<p>SI-Ethernet: Ethernet module supports EtherNet/IP and Modbus TCP/IP</p> 	82400000017900
		<p>SI-DeviceNet: DeviceNet interface module</p> 	82400000017700
		<p>SI-CANopen: CANopen interface module</p> 	82400000017600
		<p>SI-PROFINET: PROFINET interface module</p> 	82500000018200
		<p>SI-I/O: extended I/O interface module to increase the number of I/O analog and digital points on a drive</p> 	82400000017800
		<p>Software</p> 	<p>Order code</p> <p>Available for free on <a href="http://controltechniques.com">controltechniques.com</a></p>
<p>AI-Back-up Adaptor: Port adaptor for SD card parameter cloning, and an input for 24 V back-up</p> 	82500000000004		
<p>AI-485 Adaptor: Adaptor that allows the drive to communicate via RS485</p> 	82500000000003		
<p>AI-Smart Adaptor: Built-in memory for parameter cloning and 24 V backup</p> 	82500000018500		
<p>RS485 cable: The USB comms cable allows the drive to connect to a PC for use with Unidrive M's PC tools.</p> 	82500000018500		
<p>AI-485 24 V Adaptor: Adaptor with 24 V input</p> 	82500000019700		



## Select accessories:

Optional external EMC filter:				
Unidrive M's built-in EMC filter complies with EN/IEC 61800-3/ External EMC filters are available for when compliance with EN/IEC 61000-6-4 is required				
Frame size	Voltage	Phases	Type	Order code
1	All	1	Standard	4200-1000
	All	1	Low leakage	4200-1001
2	100 V	1	Standard	4200-2000
		1	Low leakage	4200-2001
	200 V	1	Low leakage	4200-2002
		3	Standard	4200-2003
	400 V	3	Low leakage	4200-2004
		3	Standard	4200-2005
3	200 V	3	Low leakage	4200-2006
		1	Standard	4200-3000
		1	Low leakage	4200-3001
	400 V	3	Standard	4200-3004
		3	Low leakage	4200-3005
		3	Low leakage	4200-3008
4	200 V	3	Low leakage	4200-3009
		1	Standard	4200-4000
		1	Low leakage	4200-4001
	400 V	3	Standard	4200-4002
		3	Low leakage	4200-4003
		3	Standard	4200-4004
5	200 V	3	Standard	4200-0312
	400 V	3	Standard	4200-0402
	575 V	3	Standard	4200-0122
6	200 V	3	Standard	4200-2300
	400 V	3	Standard	4200-4800
	575 V	3	Standard	4200-3690
7	200 V & 400V	3	Standard	4200-1132
	575 V & 690V	3	Standard	4200-0672
8	200 V & 400V	3	Standard	4200-1972
	575 V & 690V	3	Standard	4200-1662
9	200 V & 400V	3	Standard	4200-3021
	575 V & 690V	3	Standard	4200-1660

Through hole IP65 kit	
Frame size	Order code
5	3470-0067
6	3470-0055
7	3470-0079
8	3470-0083
9A	3470-0119
9E	3470-0105

UL Type 1 Conduit kit	
Frame size	Order code
1	3470-0091
2	3470-0094
3	3470-0098
4	3470-0102
5	3470-0069
6	3470-0059
7	3470-0080
8 / 9A	3470-0088
9E	3470-0115

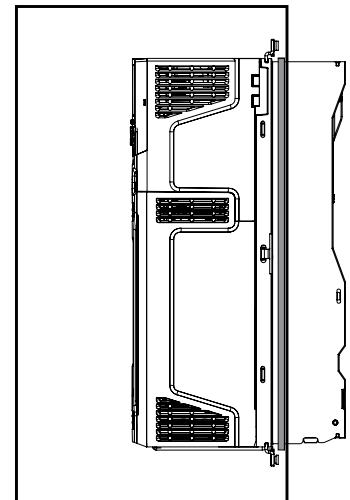
Retrofit mounting brackets	
Frame size	Order code
3	3470-0097
4	3470-0101
5	3470-0066
6	3470-0074
7	3470-0078
8	3470-0087
9A / 9E	3470-0118

Line reactor	
Frame size	Order code
9E (400 V)	7022-0063
9E (600 V)	7022-0063

Finger-guard grommet	
Frame size	Order code
9A / 9E	3470-0107

Lifting tool	
Frame size	Order code
9A	7778-0045
9E	7778-0016

Fan replacement kit	
Frame size	Order code
1	3470-0092
2	3470-0095
3	3470-0099
4	3470-0103



Throughhole IP65 kit

# Control Techniques™

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