

Options and Accessories

ULTRA 200 Series drives conformance to the European Union Directives is contingent on:

- Installation of AC line filters between the power source and the drive, and
- Use of Allen-Bradley cables to connect F-, H-, N- or Y- motors to a 1398-DDM-010, 1398-DDM-010X, 1398-DDM-020, 1398-DDM-020X, 1398-DDM-030, 1398-DDM-030X, 1398-DDM-075, 1398-DDM-075X, 1398-DDM-150 or 1398-DDM-150X drive. Diagrams and schematics for all Allen-Bradley cables are shown in Appendix B, “Cable Diagrams, Schematics and Examples”.

ULTRA 200 Series Drives

Model	Description
1398-DDM-010	1000 Watt Universal Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-010X	1000 Watt Universal Indexing Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-020	2000 Watt Universal Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-020X	2000 Watt Universal Indexing Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-030	3000 Watt Universal Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-030X	3000 Watt Universal Indexing Drive, single phase 100-240 VAC @ 50/60 Hz
1398-DDM-075	7500 Watt Universal Drive, single or three phase 100-240 VAC @ 50/60 Hz
1398-DDM-075X	7500 Watt Universal Indexing Drive, single or three phase 100-240 VAC @ 50/60 Hz
1398-DDM-150	15000 Watt Universal Drive, three phase 100-240 VAC @ 50/60 Hz
1398-DDM-150X	15000 Watt Universal Indexing Drive, three phase 100-240 VAC @ 50/60 Hz

Fuses

Description	Part Number
1 Ampere, fast acting, inline (Littelfuse R451001, or equivalent) for 1398-DDM-010 or 1398-DDM-010X, 1398-DDM-020 or 1398-DDM-020X, 1398-DDM-030 or 1398-DDM-030X, 1398-DDM-075 or 1398-DDM-075X, 1398-DDM-150 or 1398-DDM-150X	*
NOTE: *Contact Littelfuse at (847) 824-1188 for part numbers.	

Options and Accessories

Description	Part Number
TouchPad	1398-HM1-001
AC Line Filter (6 A _{rms} Continuous, Single Phase) for 1398-DDM-005 or 1398-DDM-005X	9101-1516
AC Line Filter (10 A _{rms} Continuous, Single Phase) for 1398-DDM-009 or 1398-DDM-009X, 1398-DDM-010X or 1398-DDM-010X	9101-1517
AC Line Filter (23 A _{rms} Continuous, Single Phase) for 1398-DDM-019 or 1398-DDM-019X, 1398-DDM-020 or 1398-DDM-020X	9101-1518
AC Line Filter (30 A _{rms} Continuous, Single Phase) for 1398-DDM-030 or 1398-DDM-030X	9101-1387
AC Line Filter (55 A _{rms} Continuous, Single Phase) for 1398-DDM-075 or 1398-DDM-075X	9101-1388
AC Line Filter (50 A _{rms} Continuous, Three Phase) for 1398-DDM-150 or 1398-DDM-150X	9101-1575
AC Line Filter (36 A _{rms} Continuous, Three Phase) for 1398-DDM-075 or 1398-DDM-075X	9101-1389
J1 to 50-pin Terminal Strip (Breakout Board), includes 1m (3ft) cable and mounting hardware	9101-1391
J2 to 25-pin Terminal Strip (Breakout Board), includes 1m (3ft) cable and mounting hardware	9101-1392
External Shunt Resistor for 1398-DDM-010 or 1398-DDM-010X, 1398-DDM-020 or 1398-DDM-020X, 1398-DDM-030 or 1398-DDM-030X	9101-1079
Fuse for External Shunt Resistor (Littelfuse CCMR-4.5) for 1398-DDM-010 or 1398-DDM-010X, 1398-DDM-020 or 1398-DDM-020X, 1398-DDM-030 or 1398-DDM-030X	*

Publications

Description	Publication Number
Manuals	
• TouchPad Card	1398-5.5
• Installation Manual 1398-DDM-010 or 1398-DDM-010X, 1398-DDM-020 or 1398-DDM-020X, 1398-DDM-030 or 1398-DDM-030X, 1398-DDM-075 or 1398-DDM-075X, 1398-DDM-150 or 1398-DDM-150X	1398-5.0
• Installation Manual 1398-DDM-005 or 1398-DDM-005X, 1398-DDM-009 or 1398-DDM-009X, 1398-DDM-019 or 1398-DDM-019X	1398-5.2

Interface Cables

Diagrams and schematics for cables listed below are shown in Appendix B, "Interface Cables", beginning on page B-3.

Description	m (ft)	Part Number
J1 to customer supplied connector (no connector)	3 (10)	9101-1370-010
	7.6 (25)	9101-1370-025
	15 (50)	9101-1370-050
	23 (75)	9101-1370-075
J3 to customer supplied connector (no connector) (ULTRA 200 Series drives only)	3 (10)	9101-1368-010
	7.6 (25)	9101-1368-025
	15 (50)	9101-1368-050
	23 (75)	9101-1368-075
J3 to J3 (Master/Follower) (ULTRA 200 Series drives only)	0.6 (2)	9101-1463-002

Serial Interface Cables

Diagrams and schematics for cables listed below are shown in Appendix B, "Interface Cables", beginning on page B-11.

Description	m (ft)	Part Number
J4/J5 to PC [RS-232] (9 pin D-shell connector)	3 (10)	9101-1372-010
	7.6 (25)	9101-1372-025
	15 (50)	9101-1372-050
J4/J5 to customer supplied connector (no connector)	3 (10)	9101-1379-010
	7.6 (25)	9101-1379-025
	15 (50)	9101-1379-050
J4/J5 to J4/J5 four wire RS-485 communications	1 (3)	9101-1374-001
J4/J5 D-shell 9-pin Mating Connector (AMP 205204-4)		003-5529-001
J4/J5 Crimp Pins for Connector (AMP 66506-3)		0003-5326-001

Encoder Feedback Cables

Diagrams and schematics for cables listed below are shown in Appendix B, "Interface Cables", beginning on page B-14.

Description	m (ft)	Part Number
F- or H-Series Motor to customer supplied connector	3 (10)	9101-1365-010
(i.e., no connector)	7.6 (25)	9101-1365-025
	15 (50)	9101-1365-050
(ULTRA 200 Series drives only)	23 (75)	9101-1365-075
(ULTRA 200 Series drives only)	30 (100)	9101-1365-100
J2 to F- or H-Series Motor	3 (10)	9101-1366-010
	7.6 (25)	9101-1366-025
	15 (50)	9101-1366-050
(ULTRA 200 Series drives only)	23 (75)	9101-1366-075
(ULTRA 200 Series drives only)	30 (100)	9101-1366-100
N-Series Motor to customer supplied connector	3 (10)	9101-1469-010
(i.e., no connector)	7.6 (25)	9101-1469-025
	15 (50)	9101-1469-050
(ULTRA 200 Series drives only)	23 (75)	9101-1469-075
(ULTRA 200 Series drives only)	30 (100)	9101-1469-100
J2 to N-Series Motor	3 (10)	9101-1468-010
	7.6 (25)	9101-1468-025
	15 (50)	9101-1468-050
(ULTRA 200 Series drives only)	23 (75)	9101-1468-075
(ULTRA 200 Series drives only)	30 (100)	9101-1468-100
Y-Series Motor to customer supplied connector (i.e., no connector)	3 (10)	9101-1373-010
	7.6 (25)	9101-1373-025
	15 (50)	9101-1373-050
(ULTRA 200 Series drives only)	23 (75)	9101-1373-075
(ULTRA 200 Series drives only)	30 (100)	9101-1373-100
J2 to Y-Series Motor	3 (10)	9101-1375-010
	7.6 (25)	9101-1375-025
	15 (50)	9101-1375-050
(ULTRA 200 Series drives only)	23 (75)	9101-1375-075
J2 to customer supplied connector	3 (10)	9101-1380-010
(i.e., no connector)	7.6 (25)	9101-1380-025
	15 (50)	9101-1380-050
(ULTRA 200 Series drives only)	23 (75)	9101-1380-075
(ULTRA 200 Series drives only)	30 (100)	9101-1380-100