

Upgrade Solution

What is an MX Drive?



The MX series was a digital AC motor speed control manufactured by Control Techniques and distributed by Emerson Motion Control group. It was available in several models that could control 3-phase spindle motors from 3 to 30HP. The input voltage ranged 380 to 480 VAC +/- 10% , three phase.

[Get MX Manual](#)

What replaces the MX?

Our Unidrive SP series, combined with the SM-Resolver, can replace the MX functionality and are state-of-the-art Digital Drives that offer many more internal features (specifically a built-in PLC capability) and can be setup using your Laptop PC. No pots to adjust or jumpers to set. Software for the Unidrive SP is free !

Determine which Unidrive SP replaces your MX

MX/DigitAx Drive		Best SP Replacement - Based On Cont. Current		
Model		Model	Headroom (Amps)	
			Continuous	Peak
MX-280 / DBE140	→	SP1402	+0.2	-0.3
MX-440 / DBE220	→	SP1404	+1.4	+1.4
MX-850 / DBE420	→	SP1406	-0.8* [+1.0]	-0.4
MX-1300 / DBE600	→	SP2401	-0.4* [0.0]	-3.2
MX-1600 / DBE750	→	SP2403	+0.9	+11.8
MX-2600 / DBE110S	→	SP3401	+2.9	+17.0
MX-3200 / DBE1500	→	SP3401	-3.1* [0.0]	+8.0
MX-4800 / DBE2200	→	SP3403	-15.5* [-2.0]	+8.0
MX/DigitAx Drive		Best SP Replacement - Based On Peak Current		
Model		Model	Headroom (Amps)	
			Continuous	Peak
MX-280 / DBE140	→	SP1403	+1.4	+1.8
MX-440 / DBE220	→	SP1404	+1.4	+1.4
MX-850 / DBE420	→	SP2401	+4.1	+5.8
MX-1300 / DBE600	→	SP2402	-0.4* [+3.5]	+2.9
MX-1600 / DBE750	→	SP2403	+0.9	+11.8
MX-2600 / DBE110S	→	SP3401	+2.9	+17.0
MX-3200 / DBE1500	→	SP3401	-3.1* [0.0]	+8.0
MX-4800 / DBE2200	→	SP4401	+12.0	+33.0

Unidrive SP



To obtain the configuration software for the Unidrive SP click:

MX motors use Resolver feedback. In order to accommodate this feedback, the SM-Resolver module must be included.

SM-Resolver



[Get Resolver Manual](#)

*Click on photos above
for details*

Click on blue links for Free Software

CTSoft



SyPTLite

Free 4 Channel CTScope

Preview the Unidrive SP Manual

Questions/Concerns about your application?

Call us at the Service Center

1-800-367-8067

or

Email us by clicking -> [Technical Support](#)