







# FIBER OPTIC INCREMENTAL ENCODER & FO EXTENDER QUICK GUIDE

PRODUCT MODEL						
	<b>MR340-1</b> Controller	<b>TD5482</b> Controller in IP Housing	<b>MR342/MR346</b> Shaft Encoder	<b>MR344</b> Hollow Shaft Encoder	<b>MR348</b> MRI Safe Shaft Encoder	<b>MR361-1</b> FO Extender for non-FO Encoders
Description	Controller	MR340-1 Controller in IP Housing, with extended 30C wiring block for additional signal routing	Synchro or Flange Mount MR342: Size Ø58mm, IP64 MR346: Size Ø90mm, IP66	Size 100mm, Ø38mm Bore C Thru Bore: IP54 PC Pocket Hole: IP66	MRI Safe, Non-Metallic, Size Ø58mm, Synchro or Flange Mount	FO Transmitter/Receiver, provides interference-free extension of non-FO incremental encoders
No. of Channels or Resolution	One MR340-1 Controller interfaces to one MR34X series FO Incremental Encoder		256 or 360ppr	1024ppr	360ppr	4-Channels, typically for A/B or A/B/Z encoder interfaces
Compatible Fiber	OM1 (62.5/125)					
Optical System Margin	12dB	11dB	One MR340-1 Controller controls one MR34X series FO Incremental Encoder			6dB
Maximum Distance	---	---	Up to 2000m	Up to 2000m	Up to 2000m	Up to 2000m
Encoder Output	Programmable 5V/12V/24V Level		---	---	---	RS422 or HTL option
Communications Interfaces	Analog Output, SSI, USB, ModbusRTU		---	---	---	Unused channel(s) can transmit other signals – including overspeed limit, emergency stop, etc.
Optical Interface	Duplex LC	IP-LC	Duplex LC pigtail or IP-LC	Duplex LC pigtail	Duplex LC pigtail	Simplex ST
Power Supply	24 VDC	24 VDC	---	---	---	5V or 10-30V DC
Accessories	FO Cabling Junction Boxes	FO Cabling Junction Boxes	---	MR344-99-XX Shaft Adapters: 8-32mm, ½" to 1¼"	---	FO Cabling Junction Boxes
RECOMMENDED PRODUCTS	MR340-1	TD5482	MR342-D06D00 MR346-D12D00	MR344-F38C1R5 MR344-F38C1R5E MR344-F38PC1R5	MR348-D06C05 MR348-D06C10	For use with HTL Encoders: MR361-1-0-3-0 (XMTR) MR361-1-1-3-0 (RCVR)

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[QR Code to Encoders](#)



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