







FIBER OPTIC SIGNALING SENSORS – EMERGENCY STOP & MICROSWITCH

PRODUCT MODEL						
	MR380-0-UNI OEM Controller	MR380-1-3 DIN Controller	MR386 FO Microswitch	MR387 MM/SM FO E-Stop	MR388 Outdoor FO E-Stop	TD5412 POF E-Stop
Description	Universal SM/MM OEM Controller (PCB)	Universal SM/MM DIN Rail Controller	V-series compatible Microswitch	Emergency Stop, Pigtail or IP66 housing	MR387 E-Stop in IP67 Weatherproof Enclosure	POF E-Stop
No. of Channels	1 (Duplex)	1 (Duplex)	Multiple sensors can be wired in series up to the limits of the Controller's optical loss margin. Consult application note AN118 for link examples and calculations.			1 (Duplex)
Compatible Fiber	OM1 (MM 62.5/125) OM2/OM3 (MM 50/125) OS1 (SM 9/125)		Available with OM1 pigtail only. Compatible with OM2/OM3 fiber links.	OM1 interface compatible with OM2/OM3 fiber links. OS1 interface compatible with OS2 fiber links.	Available with OM1 or OS1 fiber interfaces only. OM1 interfaces compatible with OM2/OM3 fiber links.	1mm POF
Optical System Margin	OM1=21dB, OS1=18dB	23dB	Use with MR380	Use with MR380	Use with MR380	User provides 650nm (red) optical interface
Maximum Distance	Depends on # of sensors wired in series, # of interconnections, and cable segment lengths		Up to 12km	MM, up to 13km SM, up to 18km	MM, up to 13km SM, up to 18km	Up to 20m
Function Safety Rating	Not rated	SIL1/PLC when used with MR387 FO E-Stop	Not rated	SIL1/PLC when used with MR380-1-3 Controller	SIL1/PLC when used with MR380-1-3 Controller	Not rated
Digital Status Outputs	5V Logic, OC	5V & 24V Logic	---	---	---	---
Internal Relay	---	DPDT contacts	---	---	---	---
Optical Interface	Duplex LC	Duplex LC	Duplex LC pigtail	Duplex LC pigtail or IP-LC receptacle	Internal Duplex LC or External: IP-LC receptacle	Duplex 1mm POF
Power Supply	5-24 VDC	24 VDC	---	---	---	---
Accessories	---	---	Compatible with Omron and Honeywell V-series lever arm accessories	---	---	---
RECOMMENDED PRODUCTS	MR380-0-UNI	MR380-1-3	MR386-21-1R5 (NO) MR386-25-1R5 (NC)	MR387-2S-1R5 (MM) MR387-2S-D00 (MM) MR387-3S-1R5 (SM) MR387-3S-D00 (SM)	Special Order	TD5412

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[QR Code to MR387](#)

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