

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 |

© 2023, MICRONOR SENSORS INC.
ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

98-0380-22-B
[QR Code to MR387](#)



MICRONOR SENSORS, INC.
www.micronor.com

2085 SPERRY AVE, STE A-1
VENTURA, CA 93003 USA

+1-805-389-6600
sales@micronor.com

