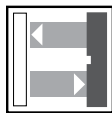




*MP Series modular sensors enable users to customize a sensing solution for almost any application. For this reason, the components of this series are sold separately. Refer to pages 594-595 for instruction on how to assemble an MP Series sensor.*

## MP Series Modular Photoelectric Sensors

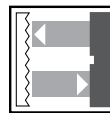
- Harsh Duty
- Modular design
  - Exchangeable rotatable heads
  - Limit switch and mini style plug-in bases
  - Screw terminal, preleaded, and connector version receptacles
- Withstands 1200 psi washdown, IP69K
- 6 A SPDT and 5 A DPDT relay models
- Multifunction timer/logic cards available
- DC, AC, AC/DC models



### Diffuse Mode

**Sensing Ranges:** 300 mm, 450 mm, 760 mm, 900 mm, 1.3 m, 1.8 m, 3 m

**Outputs:** Dependent on base selected



### Retro-Reflective Mode

**Features:**

- Polarization filter to detect shiny objects

**Sensing Ranges:** 4.5 m, 6 m, 9 m

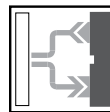
**Outputs:** Dependent on base selected



### Thru-Beam Mode

**Sensing Ranges:** 36 m, 60 m

**Outputs:** Dependent on base selected



### Fiber Optic Mode

**Sensing Ranges:** Dependent on fibers selected

**Outputs:** Dependent on base selected

See page 610-620 for MP Series sensing characteristics, wiring, dimensions and accessories.



STANDARD HEADS (pages 596-597)		Models
	Diffuse: 450 mm range, 1 ms response, plastic lens, infrared	MPD6HD ⚡
	Diffuse: 3 m range, 10 ms response, glass lens, infrared	MPD1HD •
	Diffuse: 3 m range, 10 ms response, plastic lens, infrared	MPD2HD ⚡
	Diffuse: 900 mm range, 10 ms response, plastic lens, infrared	MPD4HD ⚡
	Diffuse: 1.3 m range, 10 ms response, plastic lens, infrared	MPD8HD
	Polarized Retro-Reflective: 4.5 m range, 1 ms response, glass lens, visible red	MPP6HD ⚡
	Polarized Retro-Reflective: 6 m range, 10 ms response, glass lens, visible red	MPP1HD •
	Retro-Reflective: 9 m range, 1 ms response, glass lens, infrared	MPL16HD
	Retro-Reflective: 9 m range, 1 ms response, plastic lens, infrared	MPL6HD •
	Retro-Reflective: 9 m range, 10 ms response, glass lens, infrared	MPL1HD
	Retro-Reflective: 9 m range, 10 ms response, plastic lens, infrared	MPL2HD ⚡
	Thru-Beam: 60 m range, transmitter, glass lens, infrared	MPE1HD •
	Thru-Beam: 60 m range, transmitter, plastic lens, infrared	MPE2HD ⚡
	Thru-Beam: 60 m range, receiver, 1 ms response, glass lens, infrared	MPR16HD
	Thru-Beam: 60 m range, receiver, 1 ms response, plastic lens, infrared	MPR6HD ⚡
	Thru-Beam: 60 m range, receiver, 10 ms response, glass lens, infrared	MPR1HD •
	MPF Fiber Optic: 1 ms response, infrared	MPF6HD ⚡
	MPF Fiber Optic: 5 ms response, visible red	MPF2HD
	MPG Fiber Optic: 1 ms response, infrared	MPG6HD •

ANALOG HEADS (page 598)		Models
	MPF Fiber Optic: infrared	MPF5HD

2-WIRE AC HEADS (pages 598-600)		Models
	Diffuse: 300 mm range, plastic lens, infrared	MP2D7HD
	Diffuse: 760 mm range, plastic lens, infrared	MP2D4HD ⚡
	Diffuse: 1.8 m range, glass lens, infrared	MP2D1HD
	Diffuse: 1.8 m range, plastic lens, infrared	MP2D2HD •
	Polarized Retroreflective: 4.5 m range, glass lens, visible red	MP2P1HD
	Retroreflective: 9 m range, glass lens, infrared	MP2L1HD
	Retroreflective: 9 m range, plastic lens, infrared	MP2L2HD ⚡
	Thru-Beam: 36 m range, transmitter, glass lens, infrared	MPE3HD
	Thru-Beam: 36 m range, transmitter, plastic lens, infrared	MPE4HD
	Thru-Beam: 36 m range, receiver, plastic lens, infrared	MP2R2HD
	MPF Fiber Optic: infrared	MP2F1HD
	MPF Fiber Optic: visible red	MP2F2HD