



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 Amp SPDT and 5 Amp DPDT relay models
- Multifunction timer/logic cards available
- DC, AC, AC/DC models

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 496-497 for instruction on how to assemble an MP Series sensor.



Convergent Beam Mode

Features:

- Adjustable focal range
- Background and foreground suppression

Sensing Range: 38mm, 100mm

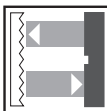
Outputs: Dependent on base selected



Diffused Mode

Sensing Ranges: 0.3m, 0.45m, 0.76m, 0.9m, 1.3m, 1.8m, 3m

Outputs: Dependent on base selected



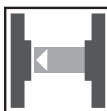
Retro-Reflective Mode

Features:

- Polarization filter to detect shiny objects

Sensing Ranges: 1.8m, 4.5m, 6m, 9m

Outputs: Dependent on base selected



Thru-Beam Mode

Sensing Range: 30m, 36m, 60m

Outputs: Dependent on base selected



Fiber Optic Mode

Sensing Ranges: Dependent on fibers selected

Outputs: Dependent on base selected

See page 513-524 for MP Series sensing characteristics, wiring, dimensions and accessories.

BUILD AN MP SENSOR

1. SELECT A HEAD



SPDT Relay Base



Mini Style Base



STANDARD HEADS (pages 498-500)		Models
	Convergent Beam: 38mm focal point, 1ms response, plastic lens, infrared	MPC26HD
	Convergent Beam: 100mm focal point, 1ms response, plastic lens, infrared	MPC6HD
	Diffuse: 0.45m range, 1ms response, plastic lens, infrared	MPD6HD
	Diffuse: 3m range, 10ms response, glass lens, infrared	MPD1HD
	Diffuse: 3m range, 10ms response, plastic lens, infrared	MPD2HD
	Diffuse: 0.9m range, 10ms response, plastic lens, infrared	MPD4HD
	Diffuse: 1.3m range, 10ms response, plastic lens, infrared	MPD8HD
	Polarized Retro-Reflective: 4.5m range, 1ms response, glass lens, visible red	MPP6HD
	Polarized Retro-Reflective: 6m range, 10ms response, glass lens, visible red	MPP1HD
	Retro-Reflective: 9m range, 1ms response, glass lens, infrared	MPL16HD
	Retro-Reflective: 9m range, 1ms response, plastic lens, infrared	MPL6HD
	Retro-Reflective: 9m range, 10ms response, glass lens, infrared	MPL1HD
	Retro-Reflective: 9m range, 10ms response, plastic lens, infrared	MPL2HD
	Retro-Reflective: 1.8m range, 1ms response, plastic lens, infrared	MPK2HD
	Thru-Beam: 30m range, transmitter, plastic lens, infrared	MPE8HD
	Thru-Beam: 30m range, receiver, 10ms response, plastic lens, infrared	MPR8HD
	Thru-Beam: 60m range, transmitter, glass lens, infrared	MPE1HD
	Thru-Beam: 60m range, transmitter, plastic lens, infrared	MPE2HD
	Thru-Beam: 60m range, receiver, 1ms response, glass lens, infrared	MPR16HD
Thru-Beam: 60m range, receiver, 1ms response, plastic lens, infrared	MPR6HD	
	Thru-Beam: 60m range, receiver, 10ms response, glass lens, infrared	MPR1HD
	MPF Fiber Optic: 1ms response, infrared	MPF6HD
	MPF Fiber Optic: 10ms response, infrared	MPF1HD
	MPF Fiber Optic: 5ms response, visible red	MPF2HD
	MPG Fiber Optic: 1ms response, infrared	MPG6HD
	MPG Fiber Optic: 5ms response, visible red	MPG2HD
	Inductive Sensor Head: side sensing, 13mm range (page 203)	NBB13SIDE
	Inductive Sensor Head: top sensing, 13mm range (page 203)	NBB13TOP

ANALOG HEADS (page 500)		Models
	Diffuse: 50mm to 500mm range, plastic lens, infrared	MPD5HD
	MPF Fiber Optic: infrared	MPF5HD

2-WIRE AC HEADS (pages 501-502)		Models
	Convergent Beam: 38mm range, plastic lens, infrared	MP2C2HD
	Convergent Beam: 100mm range, plastic lens, infrared	MP2C4HD
	Diffuse: 300mm range, plastic lens, infrared	MP2D7HD
	Diffuse: 760mm range, plastic lens, infrared	MP2D4HD
	Diffuse: 1.8m range, glass lens, infrared	MP2D1HD
	Diffuse: 1.8m range, plastic lens, infrared	MP2D2HD
	Polarized Retroreflective: 4.5m range, glass lens, visible red	MP2P1HD
	Retroreflective: 9m range, glass lens, infrared	MP2L1HD
	Retroreflective: 9m range, plastic lens, infrared	MP2L2HD
	Thru-Beam: 36m range, transmitter, glass lens, infrared	MPE3HD
	Thru-Beam: 36m range, transmitter, plastic lens, infrared	MPE4HD
	Thru-Beam: 36m range, receiver, plastic lens, infrared	MP2R2HD
	MPF Fiber Optic: infrared	MP2F1HD
	MPF Fiber Optic: visible red	MP2F2HD