

Tru-Vue™

ML17 Series Tru-Vue™ Sensors

- Cost-effective
- Compact, versatile housing
- 4-in-1 output
- 5 connection options



4 output options from 1 sensor:
NPN normally open, NPN normally closed,
PNP normally open, or PNP normally closed



Diffused Mode

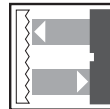
See page 438

Features:

- Sensitivity adjustment for sensing range
- 360° high-visibility LEDs

Sensing Range: 450mm

Output: 4-in-1



Retro-Reflective Mode

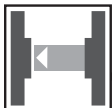
See pages 439-440

Features:

- Polarized and long-range nonpolarized models
- 360° high-visibility LEDs

Sensing Range: 3.5m, 6.5m

Output: 4-in-1



Thru-Beam Mode

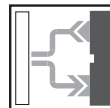
See page 441

Features:

- Quick disconnect or cabled versions
- 360° high-visibility LEDs

Sensing Range: 20m

Output: 4-in-1



Fiber Optic Diffused and Thru-Beam Mode

See pages 442-443

Features:

- Quick attachment of plastic fiber cables
- 360° high-visibility LEDs

Sensing Range: Determined by fiber optic cable





Output: 4-in-1

See pages 443-446 for ML17 Series specifications, wiring and dimensions.




Photoelectric Sensors



Diffused Mode

Specifications			
SENSING RANGE	10-450mm	10-450mm	10-450mm
SENSITIVITY ADJUSTMENT	Yes	Yes	Yes
REFERENCE TARGET	100 x 100mm white test card	100 x 100mm white test card	100 x 100mm white test card
MODEL NUMBER(S)	ML17-8-450/115/136	ML17-8-450/73/136	ML17-8-450/136/143
OUTPUT  /136	4-in-1*	4-in-1*	4-in-1*
SUPPLY VOLTAGE	10-30VDC	10-30VDC	10-30VDC
RESPONSE TIME	≤1.0ms	≤1.0ms	≤1.0ms
SWITCHING FREQUENCY	500Hz	500Hz	500Hz
LIGHT SOURCE	Infrared LED 950nm	Infrared LED 950nm	Infrared LED 950nm
WEIGHT	1.4oz	0.3oz	0.3oz
ELECTRICAL CONNECTION	 2-meter cable, PVC covered, 4-conductor, #26AWG	 Quick disconnect type V1, integral	 Quick disconnect type V31, integral
ADDITIONAL DATA	See pages 443-446		

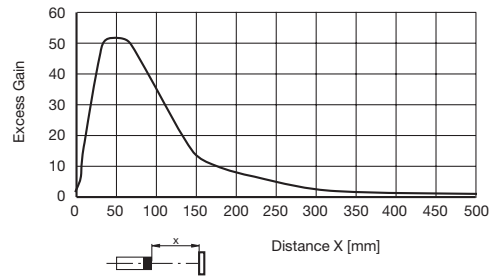
*NPN normally open, NPN normally closed, PNP normally open, or PNP normally closed

Specifications		
SENSING RANGE	10-450mm	10-450mm
SENSITIVITY ADJUSTMENT	Yes	Yes
REFERENCE TARGET	100 x 100mm white test card	100 x 100mm white test card
MODEL NUMBER(S)	ML17-8-450/115b/136	ML17-8-450/115a/136
OUTPUT  /136	4-in-1*	4-in-1*
SUPPLY VOLTAGE	10-30VDC	10-30VDC
RESPONSE TIME	≤1.0ms	≤1.0ms
SWITCHING FREQUENCY	500Hz	500Hz
LIGHT SOURCE	Infrared LED 950nm	Infrared LED 950nm
WEIGHT	0.8oz	0.8oz
ELECTRICAL CONNECTION	 150mm pigtail, PVC covered, quick disconnect type V1	 150mm pigtail, PVC covered, quick disconnect type V31
ADDITIONAL DATA	See pages 443-446	

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Sensing Characteristics

Excess Gain vs. Sensing Range ML17-8-450



Movement Characteristics ML17-8-450

