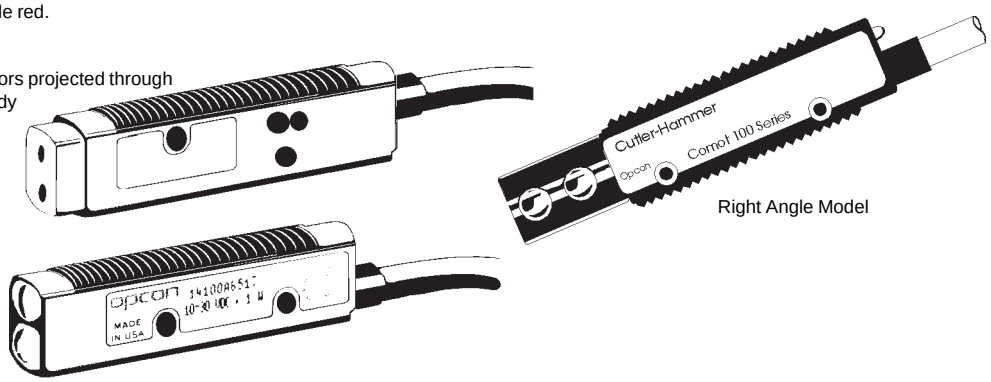
SPECIFICATIONS FOR ALL COMET SENSORS

	Ac/Dc Models		Dc - Only Models
	Ac Operation	Dc Operation	
Operating Voltage	20 to 264 Vac, 50/60 Hz	15 to 30 V dc (maximum 24 V dc at ambient temperature over 55 ° C / 131 ° F)	10 to 30 V dc (maximum 24 V dc at ambient temperature over 55 ° C / 131 ° F)
Power Consumption	1.5 W maximum	1.5 W maximum	1 W maximum
Output Type	VMOS (bi-directional)	VMOS (bi-directional	NPN and PNP (dual outputs)
Output Capacity	300 mA max @ 375 V peak	300 mA max @ 375 V peak	NPN (sink): 250 mA max @ 30 VDC (120 mA maximum at ambient temperatures over 55 ° C / 131 ° F) PNP (source): 100 mA max @ 30 VDC
Off-State Leakage	100 uA maximum	100 uA maximum	10 uA maximum
Surge Current	2 A max for 1/2 cycle		
Short Circuit Protection	Provided	Provided	Not Provided
Response Time	8 mS	8 mS	13104A: 1 mS; 13103A, 13108A: 8 mS
Operating and Storage Temperature	All models: - 40 ° to + 70 ° C (- 40 ° to + 158 ° F)		
Light/Dark Operation	All models Switch selectable		
NEMA Ratings	Sensor: 1, 2, 3, 4, 4X, 6, 6P, 11, 12 and 13; Connector is rated NEMA 1 only.		
Construction	Lens: polycarbonate Body: structural polyurethane foam (Do not expose sensors to concentrated acids, alcohols, or ketones.)		
Vibration and shock	Vibration: 30 g over 10 Hz to 2 kHz; Shock: 100 g for 3 mS 1/2 sinewave pulse		

COMET 100 SERIES -- THRU-BEAM

opcon

Light Source: Infrared LED/100' is visable red.
Minimum Object Size: 0.25 in. diameter
Sensitivity Adjustment: 15:1
Variable Intensity Alignment LED Indicators projected through detecting lens and on end of detector body
Response Time: AC/DC:10mS
DC only: 1mS



Right Angle Model

FOR COMPLETE SYSTEM, ORDER ONE SOURCE (EMITTER) AND ONE DETECTOR (RECEIVER).
SOURCES AND DETECTORS LISTED BELOW MAY BE INTERCHANGED IN ANY COMBINATION. (EXCEPT 100 FEET RANGE MODELS.)

Operating Voltage	Field of View	Maximum Range	Optimum Range	Viewing	Catalog Number and Connector Type			
					Cable - 6 foot	List Price	Micro-Connector	List Price
SOURCES (EMITTERS)								
20 - 264 V ac 50/60 Hz or 15 - 30 V dc	Wide Beam (25 foot range)	See Detectors Below for Range Information		Forward Right Angle	11100A6513 R6513	$ 58.50 58.50	11100AQD03 RQDO3	$ 74.00 74.00
	Wide Beam (100 foot range)			Forward	11102A6513	74.00	11102AQD03	90.00
	Narrow Beam			Forward Right Angle	11101A6513 R6513	58.50 58.50	11101AQD03 RQD03	74.00 74.00
10 - 30 V dc	Wide Beam (25 foot range)			Forward Right Angle	11100R6517	49.60	11100AQD07 RQD07	65.50 65.50
	Wide Beam (100 foot range)			Forward	11102A6517	65.50	11102AQD07	81.50
	Narrow Beam			Forward Right Angle	11101A6517 R6517	47.00 47.00	11101AQD07 RQD07	65.50 65.50
DETECTORS (RECEIVERS)								
20 - 264 V ac 50/60 Hz or 15 - 30 V dc (NPN)	Wide Beam 40 inch Dia. at 10 feet	25 feet	0 - 10 ft	Forward Right Angle	12100A6513 R6513	107.00 107.00	12100AQD03 RQD03	107.00 107.00
	Wide Beam 40 inch Dia. at 40 feet	100 feet	0 - 40 ft	Forward	12102A6513	122.00	12102AQD03	122.00
10 - 30 V dc (NPN, PNP)	Wide Beam 40 inch Dia. at 10 feet	25 feet	0 - 10 ft	Forward Right Angle	12100R6517	89.00 89.00	12100AQD07 RQD07	89.00 89.00
	Wide Beam 40 inch Dia. at 40 feet	100 feet	0 - 40 ft	Forward	12102A6517	106.00	12102AQD07	106.00