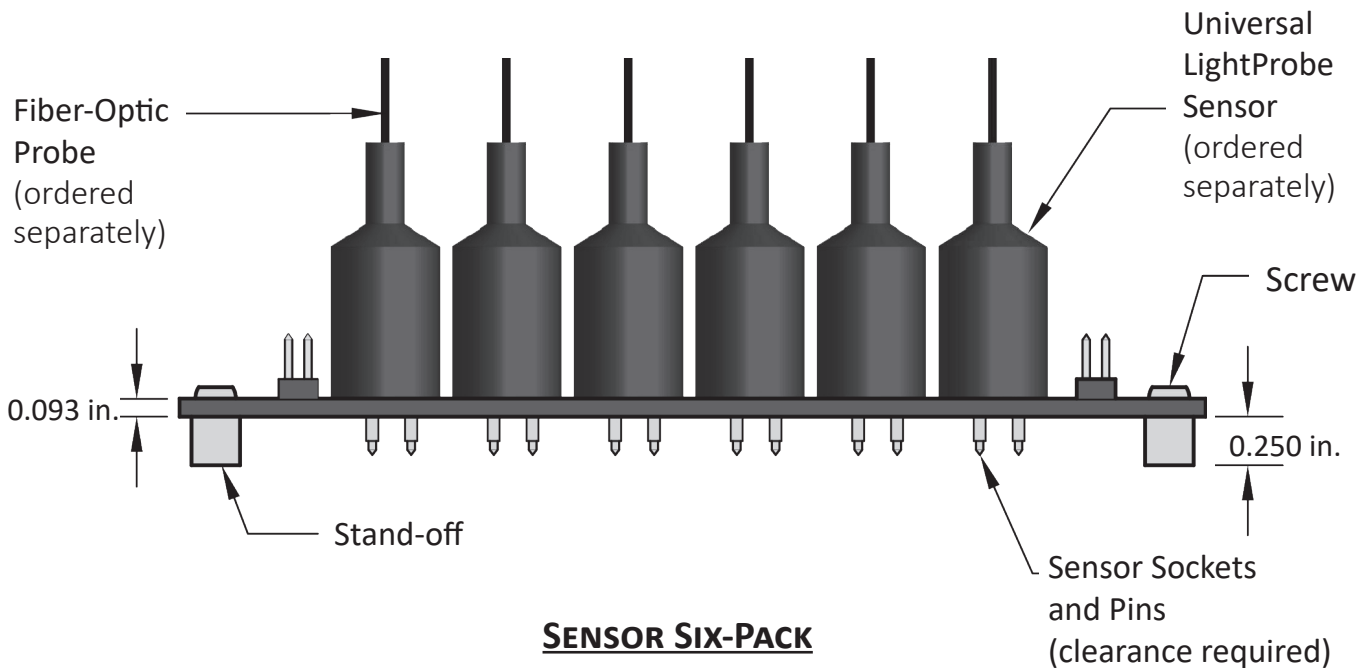
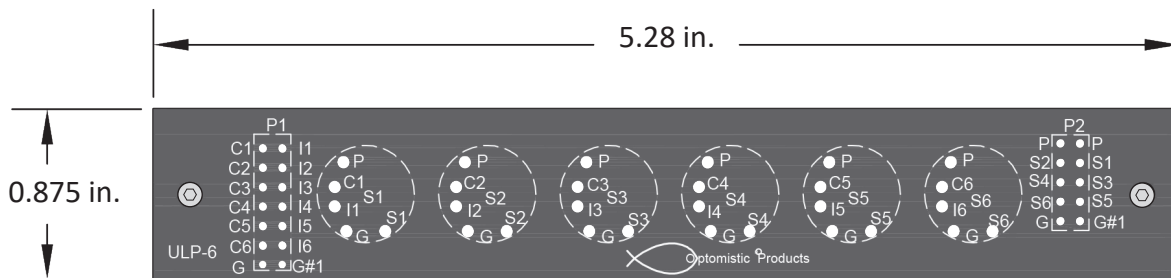


UNIVERSAL LIGHTPROBE™ SENSOR SIX-PACK INSTALLATION GUIDE AND MOUNTING OPTIONS

OVERVIEW:

The Universal LightProbe Sensor Six-Pack provides a compact and efficient way to install six Universal LightProbe Sensors in a single unit. The convenient installation provides two standard circuit-board header connectors, enabling the use of standard ribbon-cable connectors for the Universal LightProbe Sensor's output, and a single power and single ground wire is all that is needed to connect as many as six Sensors.



SENSOR SIX-PACK

PO Box 751 • South Freeport, ME 04078 USA | Phone (207) 865-9181 • Fax (207) 510-8039

www.optomisticproducts.com

info@optomisticproducts.com

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UNIVERSAL LIGHTPROBE™ SENSOR SIX-PACK

INSTALLATION GUIDE AND ACCESSORIES

ELECTRICAL INTERFACE:

The signal and ground connections for the six Sensors are conveniently available on two unshrouded pin headers: a 10-pin for digital outputs, and a 14-pin for analog outputs. Power and ground connections for all six Sensors are provided on the 10-pin header. The headers are industry-standard units with 0.100 in. (2.54mm) spacing between pins, and the pins are 0.025 in. square, suitable for wire-wrap connections or for interfacing with standard IDC ribbon-cable connectors. Each pin is clearly marked with the Sensor output code; e.g. "S"-Signal, "I"-Intensity, and "C"-Color; for making individual wire-wrap connections. Pin 1 is marked as "#1" to insure correct orientation with Pin 1 of a mating ribbon-cable connector.

P1 - ANALOG SENSOR CONNECTIONS:		
Pin Headers	Connect To	Ribbon Cable Sockets
C1	→	14
I1	→	13
C2	→	12
I2	→	11
C3	→	10
I3	→	9
C4	→	8
I4	→	7
C5	→	6
I5	→	5
C6	→	4
I6	→	3
G	→	2
G#1	→	1

P1 provides connections for analog sensor outputs (C1-C6 and I1-I6) with their common ground pins (G and G#1).

P2 - DIGITAL SENSOR CONNECTIONS:		
Pin Headers	Connect To	Ribbon Cable Sockets
P (top left)	→	10
P	→	9
S2	→	8
S1	→	7
S4	→	6
S3	→	5
S6	→	4
S5	→	3
G	→	2
G#1	→	1

P2 provides connections for digital sensor outputs (S1-S6) and their common ground pin (G)

The D.C. power supply connections for all sensors are P, P(+), and G#1(-). Supply voltage can be from 5 to 28 VDC.

UNIVERSAL LIGHTPROBE™ SENSOR SIX-PACK INSTALLATION GUIDE AND ACCESSORIES

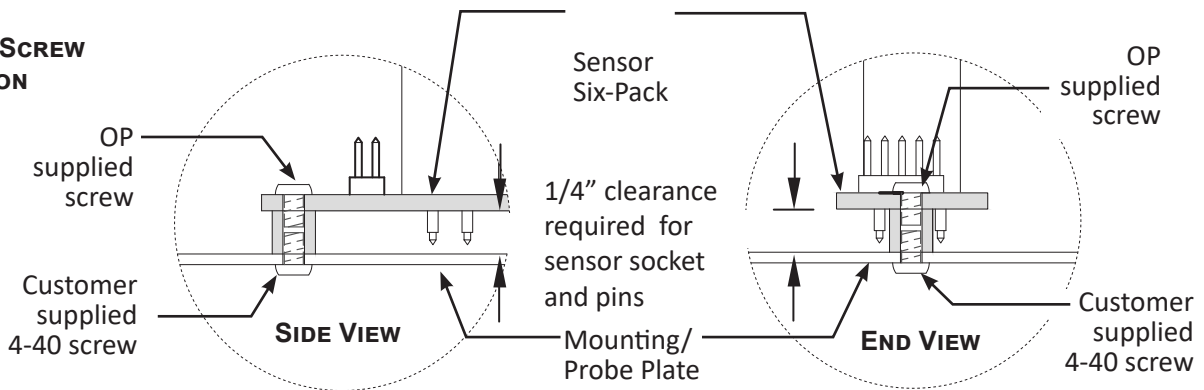
MOUNTING METHOD:

The Sensor Six-Pack can be installed with the Sensors in a vertical position with stand-offs, as shown below

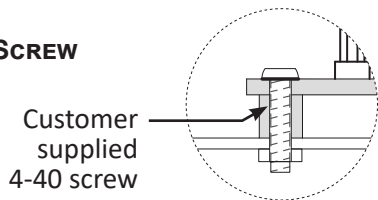


Vertical Mounting with Standoffs: Two stand-offs (1/4" min) are available to attach a Sensor Six-Pack to the mounting plate with screws. (Includes 2 screws and 2 standoffs) A customer supplied 4-40 screw, with a length that allows for the thickness of the mounting plate plus the available 0.156 in. of the tapped hole in the underside of the stand-off, as shown below.

TWO SCREW OPTION



SINGLE SCREW OPTION



By removing the screws that secure the Sensor Six-Pack to the stand-off, longer 4-40 screws can be inserted through the Sensor Six-Pack's holes and the stand-off, and secured to the mounting plate with a nut.