

42GRL9000

Allen-Bradley 42GRL Photoelectric Sensor Transmitter Beam
Emitter 10-264V AC DC range 0.025-61m 2m



NON-CONTACT SENSORS



Allen-Bradley

Component type	Through beam photoelectric sensor
Range	Photoelectric Sensors
Model	N/A
Product status	Existing

The Allen-Bradley Photoelectric sensors use a beam of light to detect the presence or absence of an object. An alternative to inductive proximity sensors for long sensing distances or when the item is non-metal. Can be utilised in a variety of applications, such as material handling, packaging, food processing and transportation. Customisable to suit non-standard connectors or cables.



ELECTRICAL

Setting procedure	Manual adjustment
Voltage type	AC/DC
Type of electric connection	Cable
Number of conductors	2

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cuboid
IP rating	IP67

PHOTOMETRIC

Sensing type	Transmitted beam emitter
Type of light	Infrared light
Illumination mode	Continuous light
Wavelength of the sensor	880 nm
Beam angle	1.5 °
Max. switching distance	61000 mm

DIMENSIONS

Thread size	30.5 mm
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ENVIRONMENT

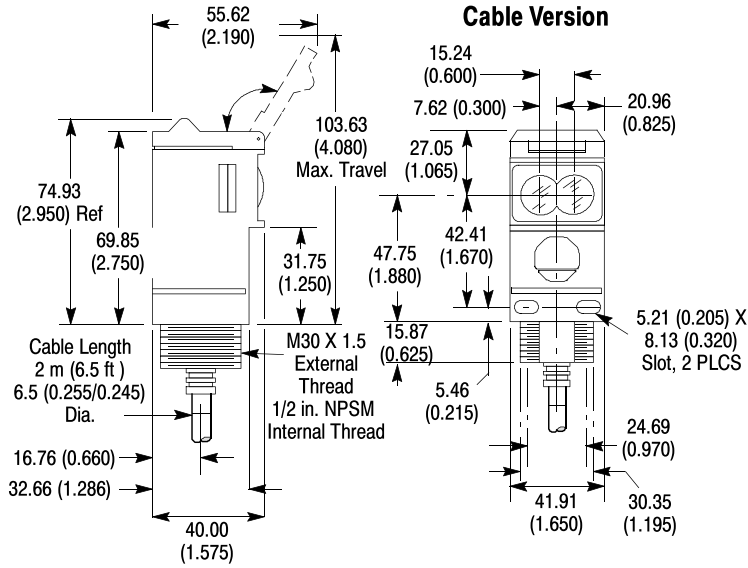
Ambient temperature	-34...70 °C
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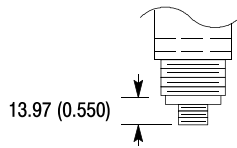
DIMENSIONAL DIAGRAM

All Versions Except Fiber Optic

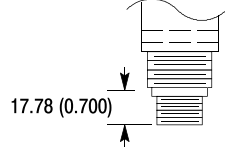


Connector Version

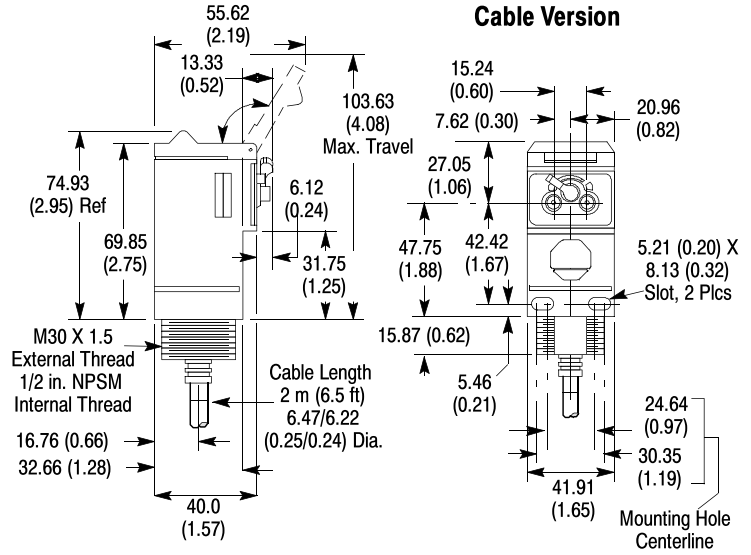
Micro Style



Mini Style



Fiber Optic



Thread Size

	AC	DC
Micro Style	1/2-20 UNF 2 Keyways	M12 x 1 1 Keyway
Mini Style	7/8-16 UN 1 Keyway	