

INSTALLATION INSTRUCTIONS

In-Pad Gripper Sensor - 30 Degree Angle

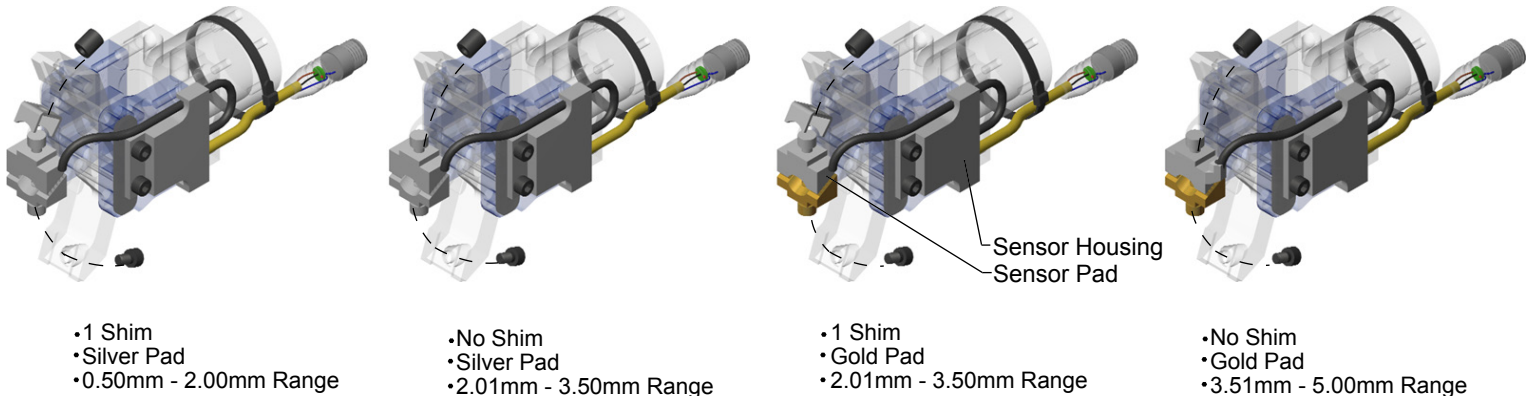
Catalog #: SGS40020-30 (Sensor Only)
 SGS40020KS-30 : 2 WIRE KIT WITH SILVER OPPOSING PAD
 SGS40020KG-30 : 2 WIRE KIT WITH GOLD OPPOSING PAD

Install the sensor pad and sensor housing as instructed below, using the shim as needed.
 Place cable through the slot in sensor housing as illustrated, keeping loop to rear of sensor housing.
 Keep cable along gripper jaw profile allowing enough slack for gripper motion.
 (see page 2)

Regular Jaw

SGS40020KS-30 KITS

SGS40020KG-30 KITS



WARNING: When using sensor with 120 VAC, Both parts of sensor must be bolted to the gripper prior to applying power for Safety Ground to be effective.

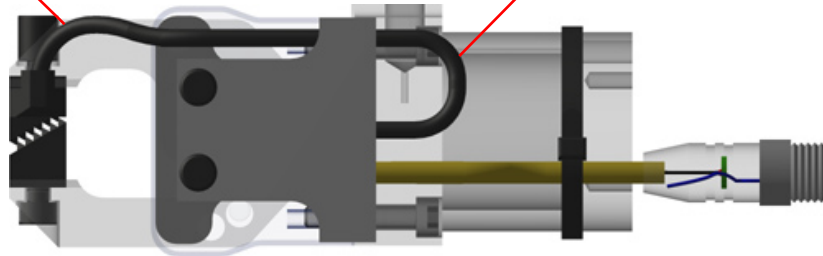
Spare Parts - 07750 Allen Nut; 07769 Shim

Component	Tool	Loctite	Torque
Sensor Nut	4mm Hex Key	262	72 in.lb.
Pad Bolt	4mm Hex Key	262	72 in.lb.
Monitor Housing	4mm Hex Key	262	36 in.lb.

Installation:

Cable should follow the contour of gripper jaw.

Cable Storage Loop can be adjusted with a push/pull motion to provide more or less cable slack in gripper jaw area.



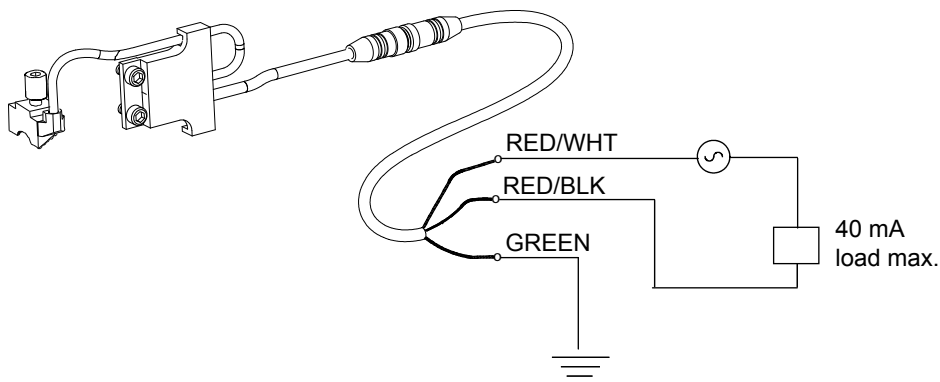
Technical Data:

2-Wire AC/DC Sensor Specifications:

Sensor Connector:	3-Pin 1/2-20 UNF (micro type) Two Key Male Connector
Supply Voltage Range:	24 – 140 Volt AC/DC
Maximum Continuous Load Current:	40 mA
Operating Temperature Range:	0 C° (min.) to 60 C° (max.)
Sensing Range:	1.2mm above Gripper Pad
Response Time:	25ms turn on time, 60ms turn off time
Target Material:	Steel & Aluminum
LED:	RED: On when target is detected; 360 degree visibility
Short Circuit Protection:	Automatically resets when short is removed
Overload Protection:	Automatically resets when load returns to normal
Maximum On State Voltage Drop:	10 Volts
Maximum Off State Leakage Current:	1.3 mA @ 120 V
Sensor Housing:	All Steel Construction with FR4 Sensing Face
Monitor Housing:	Aluminum
Housing Seal:	IP68

Wiring:

Wiring for 2-Wire AC/DC Sensor



Connected for 2 Wire AC/DC

