POSITEK LIMITED

Installation Information

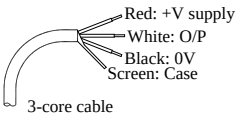
LIPS® P112 GAUGE HEAD POSITION SENSOR

Electronics Option	Output Description:	Supply Voltage: (Vs)	Output:	Load resistance: (include leads for 4 to 20mA O/Ps)	Load connected to:
A	Voltage (ratiometric with supply)	5±0.5V	0.5 to 4.5V	2kΩ min	0V
C	Voltage	13 to 28V	0.5 to 9.5v	2kΩ min	0V
G	Voltage	9 to 28V	0.5 to 4.5v	2kΩ min	0V

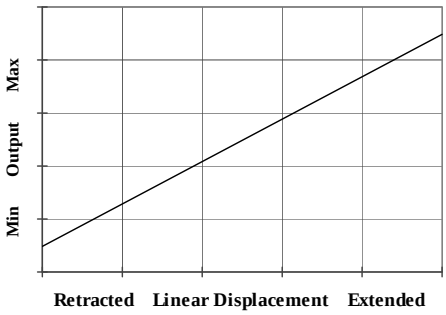
Connector pin layout:

1: +Vsupply
2: O/P
3: 0V
4: Sensor body

Conductor Identification:



Output Characteristic - Standard



Mechanical Mounting: Via ½"x20 UNF mounting thread, adjust sensor position and lock in place using lock nuts provided. Maximum tightening torque: 10Nm.

Output Characteristic: Plunger is extended 3.3 mm from end of body at start of normal travel.
The output increases as the plunger extends from the sensor body, the calibrated stroke is between 10 and 50 mm.
Warning - the connector on 'J' or 'K' coded sensors can be rotated for purposes of convenient orientation of the connector and cable, however rotating the connector more than one complete revolution is not recommended. Repeated rotation of the connector will lead to damage to the internal wiring.

Incorrect Connection Protection levels:-

A **Not protected** – the sensor is **not** protected against either reverse polarity or over-voltage. The risk of damage should be minimal where the supply current is limited to less than 50mA.

C & G Supply leads diode protected. Output must not be taken outside 0 to 12V.

For further information please contact:
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