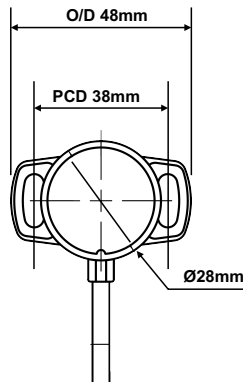




The H-GEAR-POS-2 has dual mirrored output signals.

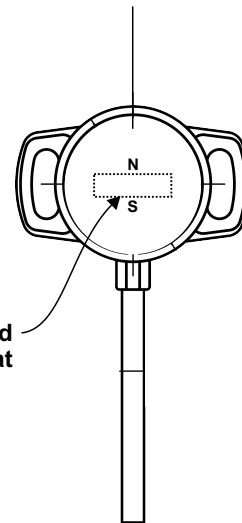
The magnet changes the two outputs of the sensor as it rotates with a maximum rotation angle of 360°.



SENSOR SPECIFICATIONS

IP Rating - IP68 (minimum)
Operating Voltage - 5V +/-0.5V
Typical Life Cycle - >100 million movements
Electrical Cable - Raychem Spec 55, 24 AWG
Electrical Cable Sleeving - Raychem DR25

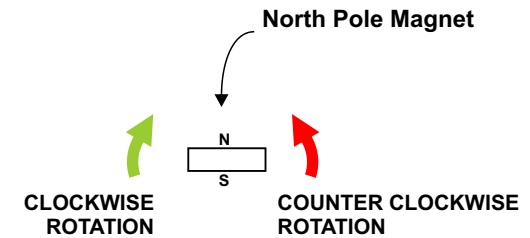
Magnet mounted behind sensor at midpoint of electrical travel



SENSOR OUTPUT VALUES

Channel 1	Angle	Volts
MIN	-180	0.25
MID	0	2.50
MAX	+180	4.75

Channel 2	Angle	Volts
MIN	-180	4.75
MID	0	2.50
MAX	+180	0.25



Note: The Magnet must be mounted at the center of a rotating gear selector shaft.

Distance from Magnet to XPK Face: 0 - 4.5mm

Channel 1 CLOCKWISE ROTATION TO OPEN		
Green		+5V
Yellow		Signal
Blue		Ground

Red		+5V
White		Signal
Black		Ground

Channel 2 **COUNTER CLOCKWISE ROTATION TO OPEN**