



AFO COMPACT CYLINDER GMR SENSORS

AIR FORCE ONE® GMR SENSORS NUMBERING SYSTEM

A F H S -

AFHS
Air
Force
GMR
Switch

Switch Type
N - Sinking (NPN)
P - Sourcing (PNP)
C - Mating Cable Only
(No hall sensors, available with
Q6 & Q16 options only)

Connection

4 - 4' Wire Lead
12 - 12' Wire Lead
Q - 8 mm dia. 3-Pin Quick Connect
Q6 - 8 mm dia. 3-Pin Quick Connect
with 6' mating cable
Q16 - 8 mm dia. 3-Pin Quick Connect
with 16' mating cable

MAGNETIC PISTONS

Additional Length Required for Magnetic Piston

Add 0.875 to all bore sizes and mounting styles to accommodate the magnetic piston. Low friction U-Cup style piston seals are standard on all magnetic pistons. A minimum stroke of 3/8" is required for effective use of GMR sensors.

Magnetic Piston

A specialized magnet is attached to the piston that will actuate the Clippard GMR sensors. This allows one or more of these dependable electronic sensor/switches to accurately determine the position of the cylinder rod. To order cylinders with magnetic pistons, specify model numbers that end with -M. GMR sensors must be ordered separately.

ELECTRICAL SPECIFICATIONS

Output Type:	Sinking or Sourcing
Input Voltage:	6 to 28 VDC
Input Current:(no load)	15 mA maximum
Voltage Drop:	0.5 VDC maximum
Output Current:	300 mA maximum
Switching Power:	7.2 Watts maximum
Circuit Protection:	Reverse Polarity Protected Transient Voltage Protected
Temperature Range:	0 to 175°F
LED Indicator	

Sourcing PNP

Sinking NPN

