



AIR FORCE ONE® HALL SENSORS NUMBERING SYSTEM

A F H S -

AFHS
 Air
 Force
 Hall
 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 7/8" 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 Hall Effect sensors.

Magnetic Piston

A specialized magnet is attached to the piston that will actuate the Clippard Hall Effect 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. Hall Effect 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 -175° F
LED Indicator	

Sourcing PNP

Sinking NPN

