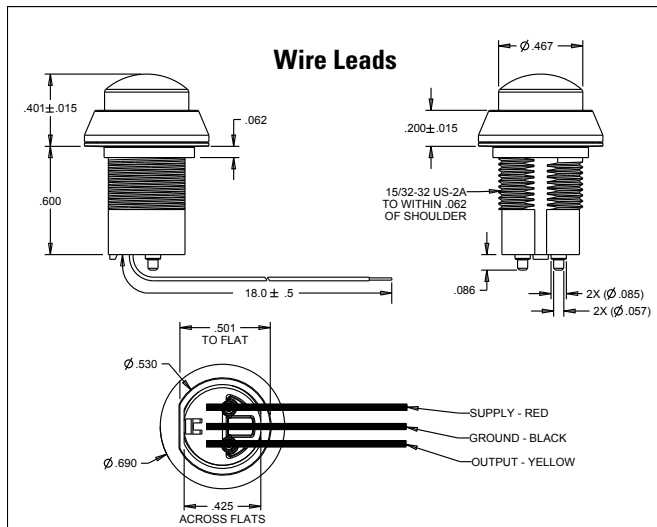
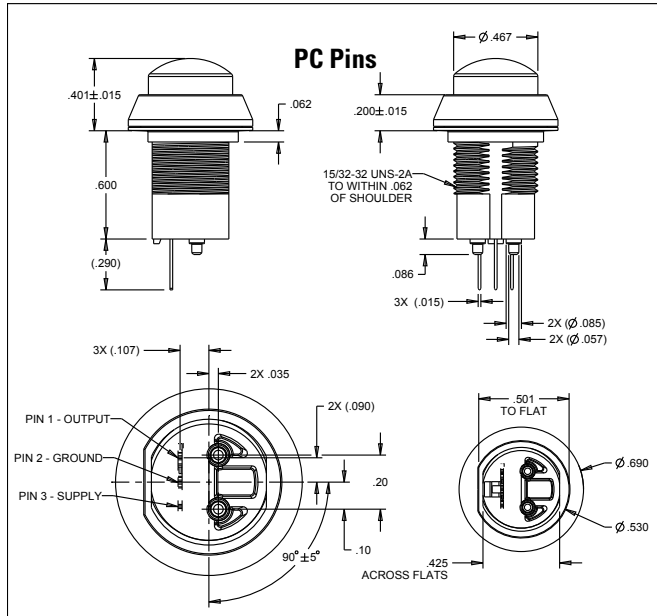


10 MILLION CYCLES, CONTACTLESS HALL EFFECT TECHNOLOGY

HP7C Hall effect momentary action pushbutton series is a lower-cost version of the HP7 series made with a thermoplastic case and a nylon button. The HP7C works well in industrial applications requiring high reliability and high rates of actuation. PC pins or wire leads are standard; value-added connectors are available to specification.

Features:

- Up to 10 million cycles
- Raised dome button in nine colors
- Momentary action
- PC pin or wire lead termination
- Digital programmable output
- Supply voltage 4.5-24V
- RoHS compliant

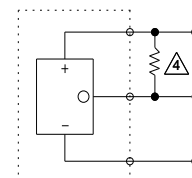


Standard Characteristics/Ratings:			
MECHANICAL:			
Mechanical Life:	10,000,000 cycles		
Button Travel:	0.080 inches max		
Overtravel:	0.010 inches min		
Operating Force:	12 oz +/- 4 oz		
Operating Point:	0.040 inches +/- 0.012		
Electrical Life:	10,000,000 cycles		
ELECTRICAL RATINGS: Rated at Vcc = 5V @ 25°C Load = 1mA (4.7KΩ)			
Electrical	Units	Min	Max
Supply Voltage	VDC	4.5	24.0
Reverse Output Voltage	VDC	N/A	0.5
Supply Current (B=0, Vcc=5V, Io=0)	mA	2.3	4.2
Continuous Output Current	mA	N/A	20.0
Reverse Battery Protection	VDC		-15.0
ENVIRONMENTAL:			
Operating Temp Range:	-40°C to +85°C		
Storage Temp Range:	-40°C to +105°C		
Electronic Enclosure Design:	IP68S		
MATERIALS:			
Button:	Nylon		
Case & Bezel:	Thermoplastic		
Mounting Hardware:	Hex nut & lockwasher		

HP7C PART NUMBER CODE

HP7C	-	X	X	X	1	X	X
Button Style		Circuit Style	Terminal Style	Seal Level	Bezel Color	Button Color	
DR. Raised Dome Matte Finish		1. Normally High Momentary 3. Normally Low Momentary	3.3 Pin Header 5. 18" Potted 26 AWG Wire Leads		1. Red 2. Black	1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Purple 8. Gray 9. White	

TYPICAL APPLICATION



⚠️ EXTERNAL PULL-UP RESISTOR NOT INCLUDED WITH SWITCH (10KΩ TYPICAL)

Normally High option: Output is at supply voltage at rest. On actuation, output voltage goes to nearly ground and allows current to flow between ground and output wire.

Normally Low option: Output voltage goes to nearly ground and allows current to flow between ground and output wire. On actuation, output switches to supply voltage.