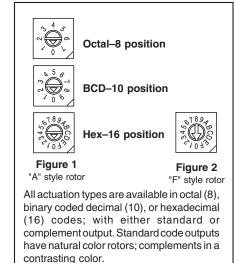


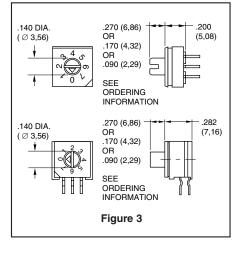
FEATURES

- Sealed Construction; No Tape Seal Required
- Surface Mount or Thru-Hole Style
- Tube or Tape and Reel Packaging
- Octal, BCD, and Hexadecimal Code
- In Standard or Complement
- Standard and Right Angle Mount
- Flush or Extended Actuators
- Gold-Plated Contacts

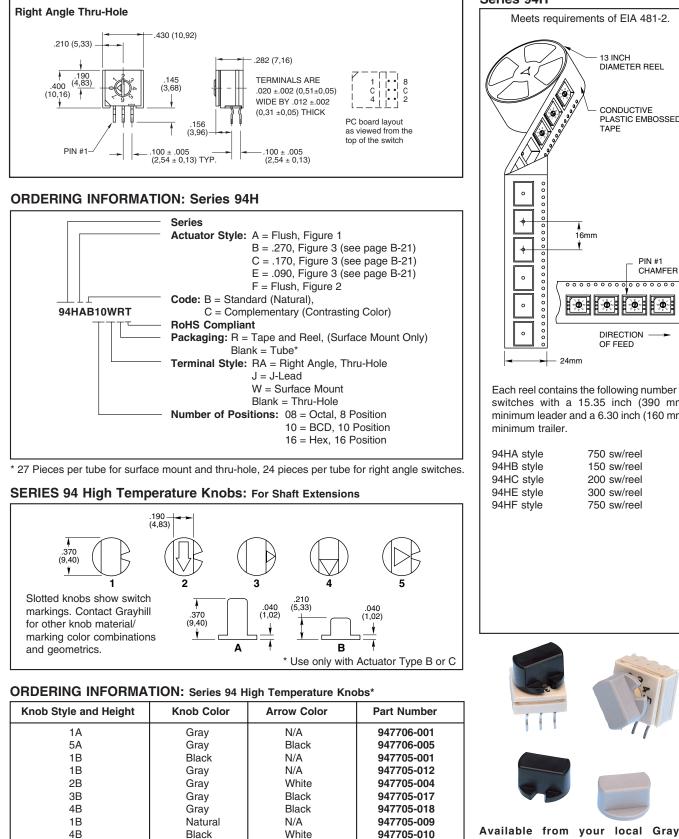
ACTUATOR STYLES



EXTENDED ACTUATOR TYPES



DIP 19

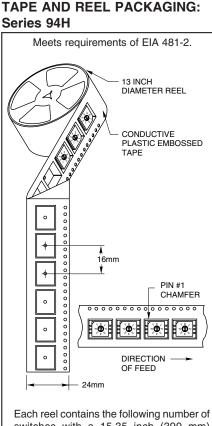


*Ordered as a separate item. B = Standard (Natural), C = Complementary (Conrasting Color).

Gray

5B

DIMENSIONS In inches (and millimeters)



switches with a 15.35 inch (390 mm) minimum leader and a 6.30 inch (160 mm)



Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

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rayhill

947705-019

Black



SERIES 94R

Economical, Binary Coded



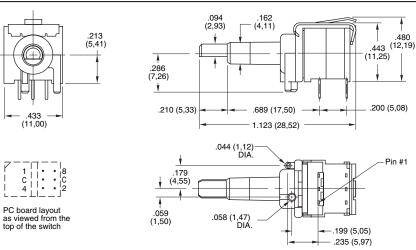
FEATURES

- 10,000 Cycles of Operation
- Gold-Plated Contacts
- Sealed Contact System
- Right Angle Mount
- Octal, BCD & Hexadecimal Codes
- Standard or Complement
- RoHS Compliant

433

(11,00)

DIMENSIONS In inches (and millimeters)



Unless otherwise indicated, tolerances are ± .010 (0,25)

SPECIFICATIONS: Series 94H and 94R **Electrical Ratings**

Make-and-break Current Rating: 30 mA at 30 Vdc for 10,000 cycles of operation.

Carrying Current Rating: 100 mA at 50 Vdc Contact Resistance: 50 mohms maximum initially (measured at 10 mA, 50 mVdc). 150 mohms maximum after life.

Insulation Resistance: (measured at 100 Vdc across open switch contacts)

Initial: 5000 Mohms minimum. After Life: 1000 Mohms minimum.

Dielectric Strength: (measured across open switch contacts) Initial: 500 Vac RMS minimum. After Life: 250 Vac RMS

Mechanical Ratings

Mechanical Life: 10,000 cycles of operation. One cycle is a rotation through all positions and a complete return through all positions.

Mechanical Shock: 1000g's, 0.5 mS, half sine per MIL-STD-202F, Method 213, Test Condition F

Vibration Resistance: 10-2000 Hz at 15G or 0.060" double amplitude per MIL-STD-202F, Method 204, Test Condition B.

Operational Torque: 2 to 6 inch-ounces initially and 1.2 inch-ounces minimum after life.

Environmental Ratings

Operating Temperature Range: -40° to +85°C. Storage Temperature Range: -40° to +85°C.

Moisture Resistance: 240 hours with temperature cycling and polarization. Passes insulation resistance and dielectric strength per MIL-STD-202F, Method 106 following exposure.

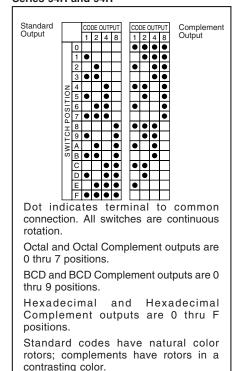
Materials and Finishes

Rotor and Switch Body: Plastic (UL94V-O) Contact Material: Copper alloy plated. 30 microinches minimum gold over 50 microinches minimum nickel.

Shorting Member: Copper alloy plated. 30 microinches minimum gold over 50 microinches minimum nickel.

Terminals: Copper alloy, matte tin plated over nickel barrier.

CODE & TRUTH TABLES: Series 94H and 94R



Internal O-ring: Rubber BUNA-N Soldering Information

Soldering Temperature: 260° C maximum. Cleaning: Acceptable solutions include 1-1-1 Trichlorenthane, Freon (TF, TE, or TMS), Isopropyl Alcohol and detergent (140°F maximum). Solutions which are not recommended include Acetone, Methylene Chloride, and Freon TMC.

ORDERING INFORMATION: Series 94R

Continuous Rotation Versions				
Code	No. of	Standard Code	Complement	
	Positions	Part Number	Part Number	
Octal	8	94RB08CT	94RC08CT	
BCD	10	94RB10CT	94RC10CT	
Hexadecimal	16	94RB16CT	94RC16CT	
Rotational Stop Versions*				
Code	No. of	Standard Code	Complement	
	Positions	Part Number	Part Number	
Hexadecimal	16	94RB16FT	94RC16FT	

* Consult Grayhill for 8 or 10 position

OPTIONS

Position Identification Line Option

For Series 76RSB, 76RSC, 76RSD, & 90B A line can be added to the recessed rocker or Series 90 slide actuator to provide positive identification of the actuator position. To order, add L as a final suffix to the part number. For example, 76RSB08 becomes 76RSB08L; and, 90B08S becomes 90B08SL.

Available from a local Grayhill Distributor.

ACCESSORIES

Protective Cover Accessory

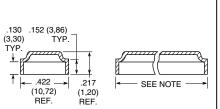
For Series 76, & 78

Rigid, clear plastic cover fits all but toggle actuated switches. It provides a top cover for less strenuous cleaning, serves as a dust cover in dirty environments, and provides protection against accidental actuation.

Material: 76,78, only-Polycarbonate. Purchase as a separate item. Check length of

the desired DIP Switch, and then select from the ordering information on this page.

Available from a local Grayhill Distributor.



We can mark your part number or other wording

on the switch, often at no charge. For some

markings there will be a nominal charge for

tooling plus a set-up charge. In addition, there

is a marking charge per side per switch. Add it

to the unit price and discount it accordingly.

Other Switch Markings

To order, contact Grayhill.

For Series 76, 78, & 90

Note: For length, add .042 "(1,07 MM) to length of DIP switch.



Grayhill



DIPSTICK Accessory

For all series

Pen-sized plastic DIPSTICK has a tapered end for actuating DIP Switches.

Part Number 90-DIPSTICK

Available from a local Grayhill Distributor

ORDERING INFORMATION

Length Inches	Protective Cover Part Number
0.280	76P02
0.380	76P03
0.480	76P04
0.580	76P05
0.680	76P06
0.780	76P07
0.880	76P08
0.980	76P09
1.080	76P10
1.180	79P10
1.780	79P16



Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

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