



KPD1M0Y41



KPA1L2W4

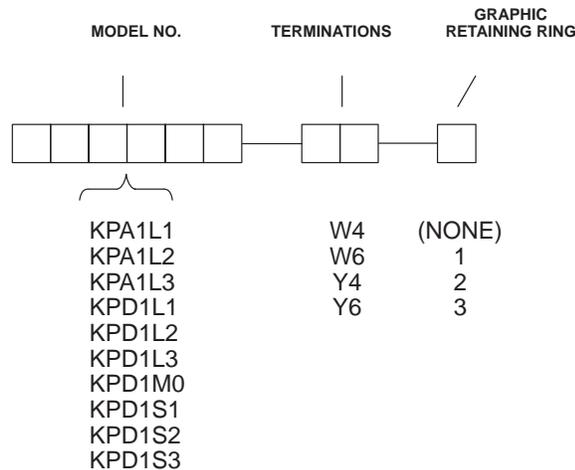


KPD1S2Y62

- All-electronic switching circuit—no contact arcing or bounce—no movable parts or mechanical wear
- One piece housing—hermetically sealed—immersible
- SPST normally-open momentary—interfaces with all digital logic circuitry—AC and DC models available
- 3 housing styles—4 colors—plastic and aluminum
- Wire lead terminations—with and without connectors
- Shockproof switch—withstands harsh environments and temperature extremes—insensitive to shock, magnetic fields, vibration

Easy Build-A-Switch

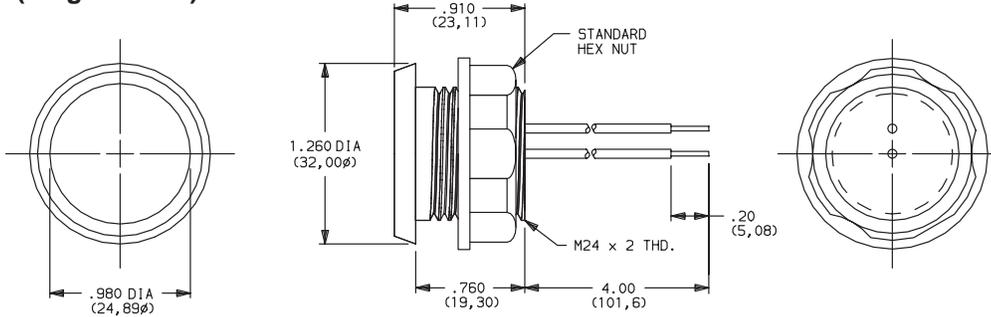
Below is a complete listing of available options for KP SERIES PIEZO PULSE MOMENTARY PUSHBUTTON SWITCHES. Build- A-Switch allows you to mix and match options to create the switch you need—simply select desired option from each category. All available options are shown and described on pages G-12 and G-13. When building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant and are shown for clarity only. Complete HOW TO ORDER information is at the end of this section, page G-14.





MODELS

L (Large Plastic)



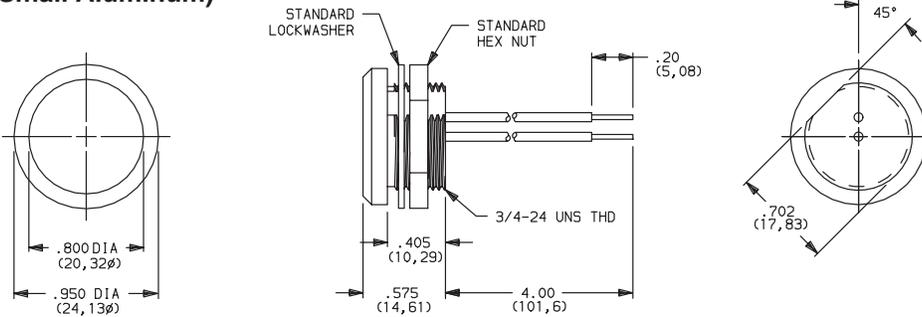
Part No. Shown: KPA1L2W4

MODEL NO.	CIRCUIT TYPE	HOUSING COLOR
KPA1L1	AC	WHITE
KPA1L2	AC	BLACK
KPA1L3	AC	RED
KPD1L1	DC	WHITE
KPD1L2	DC	BLACK
KPD1L3	DC	RED

SPST N.O. MOMENTARY
(See schematic page G-14.)

Graphic ring option not available with L Large Plastic Ring, see page G-13.

M (Small Aluminum)



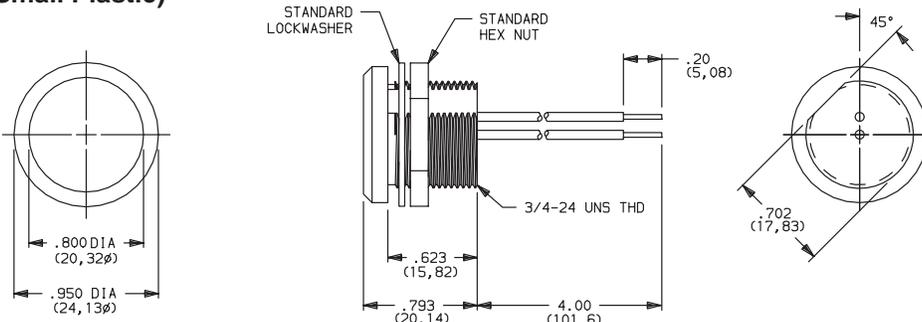
Part No. Shown: KPD1M0W4

MODEL NO.	CIRCUIT TYPE	HOUSING COLOR
KPD1M0	DC	NATURAL

SPST N.O. MOMENTARY
(See schematic page G-14.)

Metal housing of M Small Aluminum Model should be grounded.

S (Small Plastic)

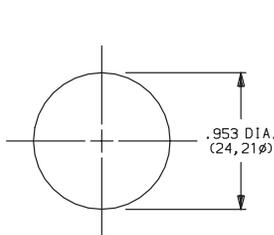


Part No. Shown: KPD1S2W4

MODEL NO.	CIRCUIT TYPE	HOUSING COLOR
KPD1S1	DC	WHITE
KPD1S2	DC	BLACK
KPD1S3	DC	RED

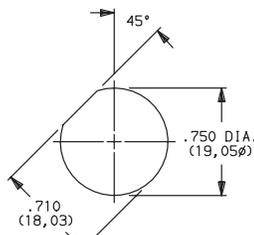
SPST N.O. MOMENTARY
(See schematic page G-14.)

PANEL MOUNTING



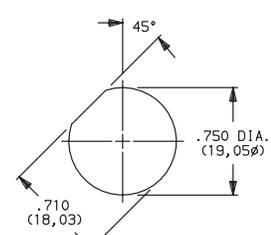
L Models

Panel thickness: .250 (6,35) max.



M Models

Panel thickness: .200 (5,80) max.



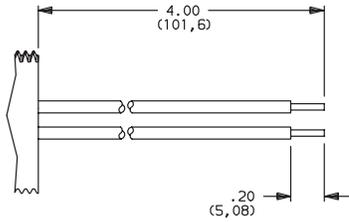
S Models

Panel thickness: .350 (8,89) max.

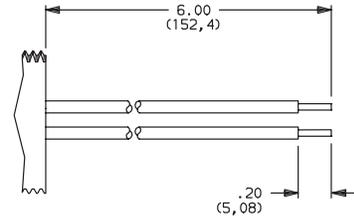


TERMINATIONS

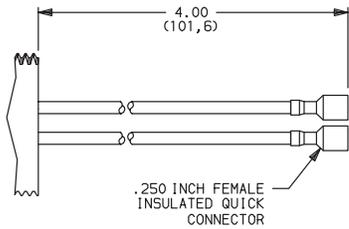
W4 4 INCH WIRE LEAD, .20 STRIP



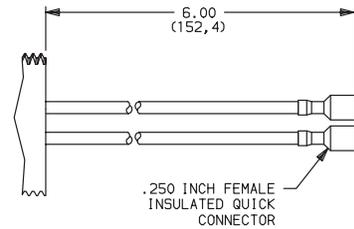
W6 6 INCH WIRE LEAD, .20 STRIP



Y4 4 INCH WIRE LEAD WITH .250 FEMALE INSULATED QUICK CONNECTOR

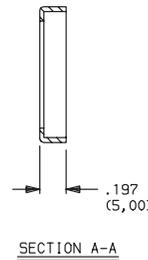
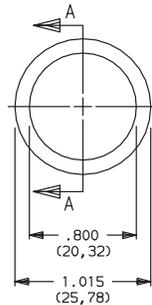


Y6 6 INCH WIRE LEAD WITH .250 FEMALE INSULATED QUICK CONNECTOR



NOTE: Standard wire leads are 22 AWG. Standard wire colors: AC models, all leads red. DC models, red positive lead, violet negative lead. Other colors, lengths, gages available, consult factory.

GRAPHIC RETAINING RING



OPTION CODE	RING COLOR
(NONE)	No Graphic Ring (Std.)
1	WHITE
2	BLACK
3	RED

Other colors available, consult factory.

RING SIMPLY SNAPS ON — HOLDS GRAPHIC IN POSITION, OR CAN BE USED ALONE AS DECORATIVE TRIM RING (FITS SMALL M AND S MODELS ONLY).

NOTE: Graphic retaining ring fits M Small Aluminum Models and S Small Plastic Models only. Not available with L Large Plastic Models. Ring simply snaps on and holds graphic in position, or can be used alone as decorative trim ring. Graphic may be installed by customer or C&K, consult factory.



HOW TO ORDER

All available KP SERIES PIEZO PULSE MOMENTARY PUSHBUTTON SWITCH options are listed on page G-11 and are described on pages G-12 and G-13. When selecting options and building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant and are shown for clarity only.

SPECIFICATIONS

RATING: 250 mA continuous, 50 V max. 500 mA continuous available, consult factory.

ELECTRICAL LIFE: 10,000,000 actuations typ.

CONTACT RESISTANCE: ON: 7.5 ohms; OFF: 5 megohms.

INSULATION RESISTANCE: 10⁹ ohms min.

ACTUATION: 8oz typical up to 3lbs max.

OPERATING TEMPERATURE: -40° C to 85° C.

CIRCUIT CLOSURE DURATION: 50 mS min.

MATERIALS

HOUSING: L and S Models: Polyetherimide (UL 94V-0), black, standard; M Models: Aluminum, natural iridite finish.

WIRE LEADS: 22 AWG; AC Models: All leads red; DC Models: Red positive lead, violet negative lead.

GRAPHIC RETAINING RING: 6/6 nylon (UL 94V-2).

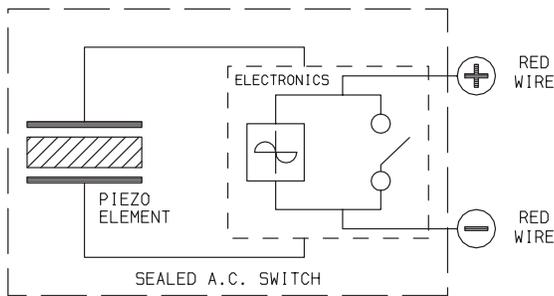
MOUNTING NUT: L Models: Nylon; M and S Models: Steel, zinc plated.

LOCKWASHER: M and S Models only: Steel, zinc plated.

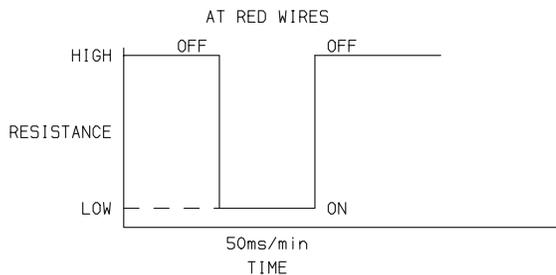
NOTE: Specifications and materials listed above are general specifications for switches with standard options. For information on specific and custom switches, consult factory.

SCHEMATICS:

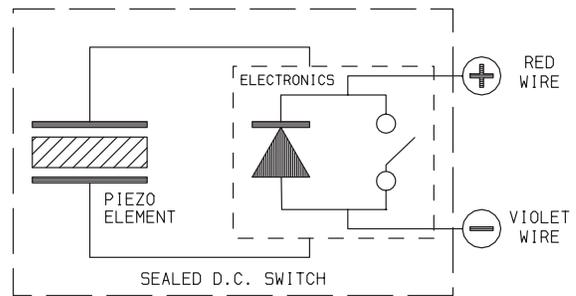
AC—KPA1 MODEL



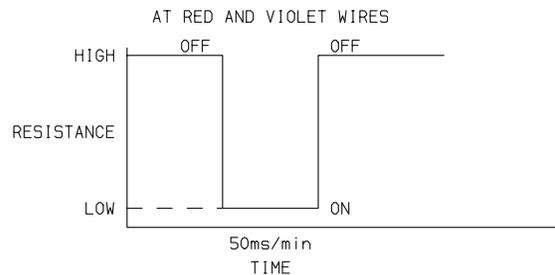
SPST NORMALLY OPEN MOMENTARY



DC—KPD1 MODEL



SPST NORMALLY OPEN MOMENTARY



G