

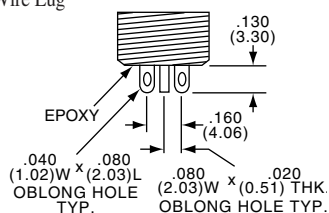
Rocker/Paddle Switches, TRD Series Options

TERMINATIONS

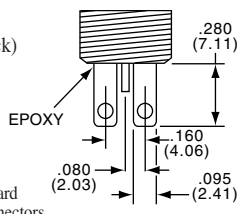
(Epoxy seal standard)



Wire Lug



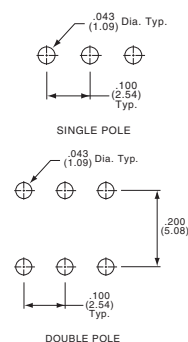
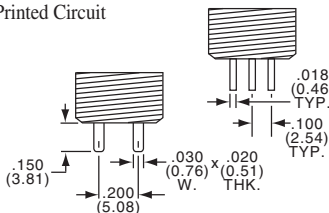
Quick Connect
.110" (.020 thick)



Mates with standard
.110" female connectors

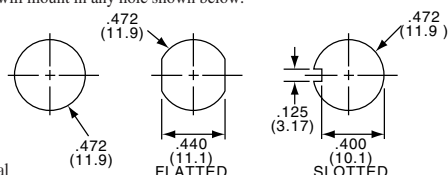


Printed Circuit



15/32" HOLE STANDARD

Standard TRD bushing will mount in any hole shown below.

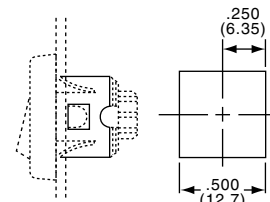


**Recommended
panel thickness:**
.030" to .250"
One hex nut, one internal
tooth lock-washer supplied.

5 1/2" SQUARE CUTOUT SNAP-IN ADAPTOR

Recommended panel thickness:
.030" to .125"

Material: bright stainless steel
To specify adaptor separately,
use P/N **TRD10793**



CONTACT/RATING/UL RECOGNITION



0.4VA Max. @ 20 VDC

Movable Contact:	Copper alloy, gold plate
Fixed Contact/Terminal:	Copper alloy, gold plate



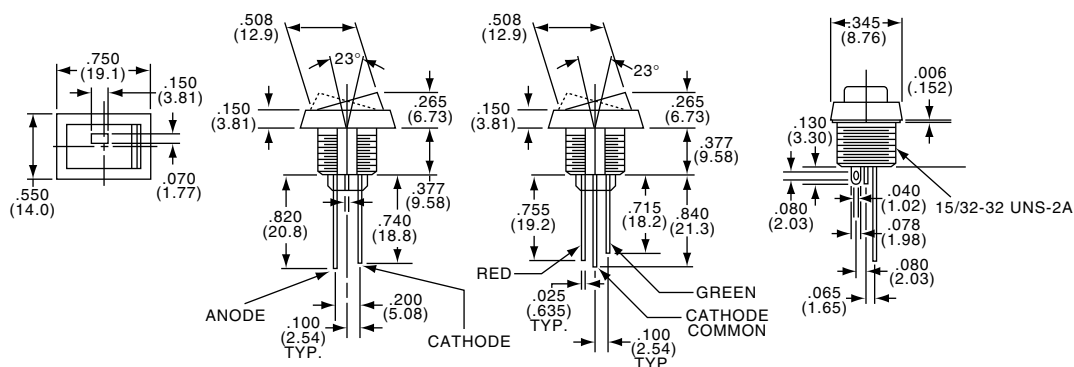
3A Max. @ 125 VAC

Movable Contact:	Copper alloy, silver inlay
Fixed Contact/Terminal:	Copper alloy, silver inlay

L.E.D. ILLUMINATION - SINGLE AND BI-COLOR



**L.E.D. Integral
(Rocker Actuator)
All SPDT functions
(TRD1 Model)**



Standard mounting dimensions apply, L.E.D. supplied in **2** red, **5** green, or **25** red/green.

L.E.D. Specifications: Max Voltage: 2.8 VDC

Max. Forward Current: red-20mA, green-25 mA, red/green-40 mA.

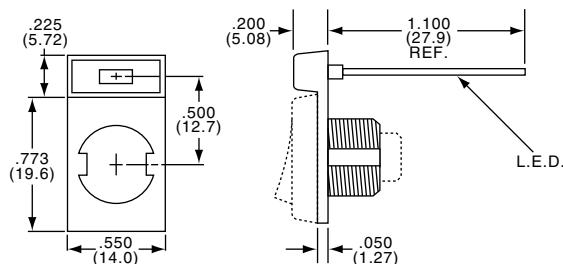
Rocker/Paddle Switches, TRD Series Options

L

L.E.D. BEVELED FRAME ADAPTOR

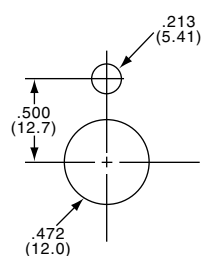
(Accepts rectangular L.E.D.)

MOUNTING



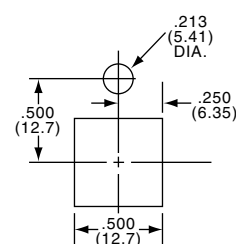
Material: Nylon 6/6
Color/Finish: Black, matte

15/32" HOLE STANDARD



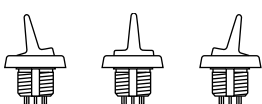
Recommended Panel Thickness: .030 to .220

1/2" SQUARE CUTOUT



Recommended Panel Thickness: .030 to .095"

FUNCTIONS

Single Pole	Double Pole			
		123 456	123 456	123 456
☐ D	☐ N	On	None	On
☐ E	☐ P	On	Off	On
☐ F		On	None	(On)
☐ G		(On)	Off	(On)
SPDT Terminals Connected		2-3	---	1-2
DPDT Terminals Connected		2-3 5-6	---	1-2 4-5

None No mechanical position

Off Mechanical position, no electrical connection

(On) Momentary mechanical position, and electrical connection

* Refer to Pages F3-F5 for
Other Options *

Rocker Switches, TRD Series Illuminated or Non-Illuminated, Wire Lug

MATERIAL SPECIFICATIONS:

Contacts Gold over nickel or silver plate
Case Material Polyamide, black matte finish
Actuator Material Polyamide
Terminals/Fixed Contacts Copper alloy with gold or silver plate
Terminal Seal Epoxy

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)
Storage Temperature.....-49°F to +199°F (-45°C to +93°C)

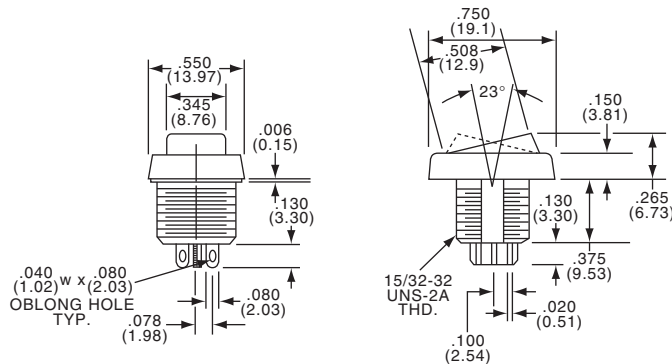
TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating0.4 VA Max. @ 20 VDC or peak AC
3 A @ 125 VAC or 28 VDC (2 pos.) 2A
Initial Contact Resistance20 Milliohms max.
Contact TimingBreak-before-make
Insulation Resistance1,000 Megohms min.
Dielectric Strength500 Volts RMS @ sea level
Actuator Travel23°
Life Expectancy2 Pos. - Up to 100,000 actuations
3 Pos. - Up to 50,000 actuations

NOTE: Part numbering matrix page F3

NOTE: When hand soldering, solder with switch in closed position.
Solder temperature 550-600°F less than 5 seconds.

DPDT



TRD21N10WL

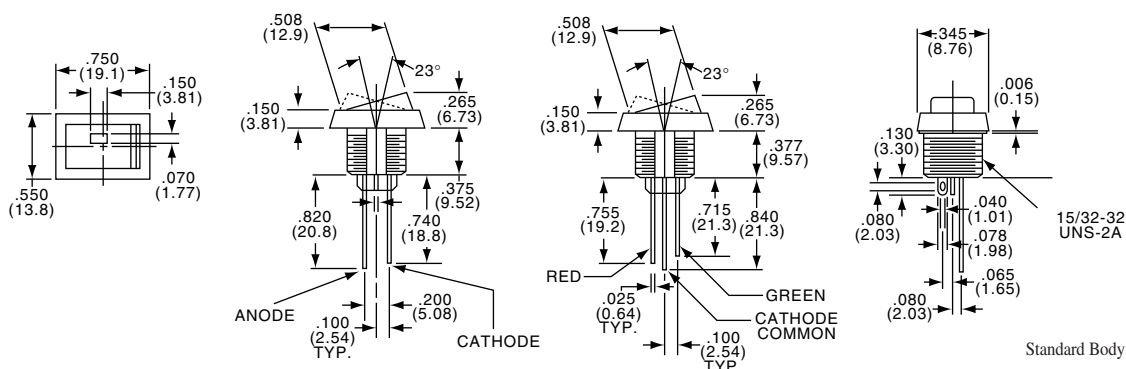
Standard Body Color - (Black)

Model	Type	Function	Act. Code Pg. M5	Contact	Terminal	Model	Type	Function	Act. Code Pg. M5	Contact	Terminal
TRD11D1(*)WL	SPDT	On None On	1	Gold	Wire Lug	TRD13D1(*)WL	SPDT	On None On	1	Silver	Wire Lug
TRD11E1(*)WL	SPDT	On Off On	5	Gold	Wire Lug	TRD13E1(*)WL	SPDT	On Off On	5	Silver	Wire Lug
TRD11F1(*)WL	SPDT	On None (On)	1	Gold	Wire Lug	TRD13F1(*)WL	SPDT	On None (On)	1	Silver	Wire Lug
TRD21N1(*)WL	DPDT	On None On	2	Gold	Wire Lug	TRD23N1(*)WL	DPDT	On None On	2	Silver	Wire Lug
TRD21P1(*)WL	DPDT	On Off On	6	Gold	Wire Lug	TRD23P1(*)WL	DPDT	On Off On	6	Silver	Wire Lug

(*) Specify rocker color by adding suffix number: (0) Black (2) Red,

(On) indicates momentary position.

SPDT



TRD11D10WLLR

Standard Body and Rocker Color - (Black)

ILLUMINATED

ILLUMINATED

Model	Type	Function	Act. Code Pg. M5	Contact	Terminal	Model	Type	Function	Act. Code Pg. M5	Contact	Terminal
TRD11D10WLLR(*)	SPDT	On None On	1	Gold	Wire Lug	TRD13D10WLLR(*)	SPDT	On None On	1	Silver	Wire Lug
TRD11E10WLLR(*)	SPDT	On Off On	5	Gold	Wire Lug	TRD13E10WLLR(*)	SPDT	On Off On	5	Silver	Wire Lug
TRD11F10WLLR(*)	SPDT	On None (On)	1	Gold	Wire Lug	TRD13F10WLLR(*)	SPDT	On None (On)	1	Silver	Wire Lug

(*) Specify LED color by adding suffix number: (2) Red, (5) Green, (25) Red/Green - Bi-color

(On) indicates momentary position.