

LTM & LTR SERIES: PUSHBUTTON SWITCHES



Features -

- Momentary switch action
- SPST dual terminals
- Three Contact types available- Conductive Rubber / Silver / Gold
- 2.54mm Pitch
- Optional LED illumination
- Wide variety of accessories available including colour buttons and mounting frames (see LZ Series)

Description -

A series of PCB mounted, sub miniature pushbutton switches with momentary action, available with conductive rubber, silver or gold plated metal contact versions to suit a large number of applications. Full surface or window LED illumination or the button is available to indicate the system state. The LEDs are offered in red, green and yellow and accessories include circular and square shaped buttons in seven solid and four clear colours. The PCB mounting height to the panel is the same as the TP series allowing both series to be combined in the same application.

TECHNICAL SPECIFICATION

Electrical LTM Series (metal contacts)

Rating - 1VA max (48V DC max 50mA max)
 Contact Resistance - 100mΩ max (200μV AC 1.5mA)
 Insulation Resistance - 100mΩ min @ 100V DC
 Dielectric Strength - 250V AC for 1 Minute

Mechanical LTM series (metal contacts)

Operating life 300,000 operations
 Operating temperature - 25°C to +70°C
 Operating Force 1.4N +/- 0.4N

Soldering

Jet wave or Dip type 245 +/- 10°C 3 sec max Hand soldering 20W max 270° Max 3 sec max **Not Suitable for immersion washing**

Electric LTR Series (rubber contacts)

Rating - 12V DC 10mA
 Contact Resistance - 500mΩ max (2V DC 1mA)
 Insulation Resistance - 100mΩ min @ 100V DC
 Dielectric Strength - 250V AC for 1 Minute

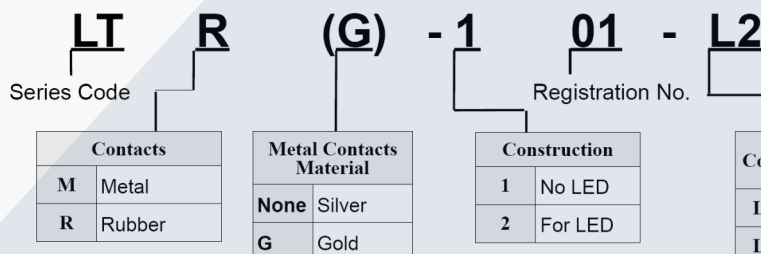
Mechanical LTR series (rubber contacts)

Operating life - 100,000 operations
 Operating temperature - 25°C to +70°C

Electrical Performance - LED

	Red	Yellow	Green
If	30mA	20mA	20mA
Vf nom	2.0V	1.95 V	1.9V
Vf max	2.8V	2.5 V	2.5V
VR	5VDC	5VDC	5VDC

Ordering information



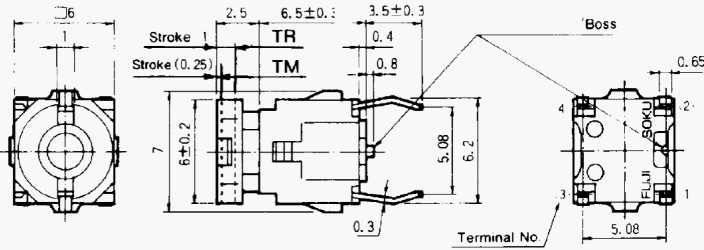
e.g. LTM2-01-L2 = LED construction, momentary silver contacts with Red LED.

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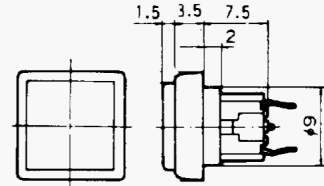
Dimensions

LTM1 • LTR1

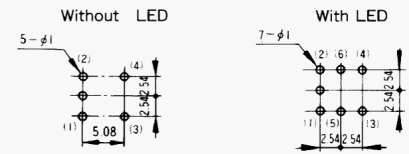
OFF-(ON)



Mounting Dimensions

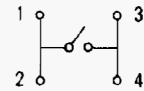


PCB Drilling Dimensions



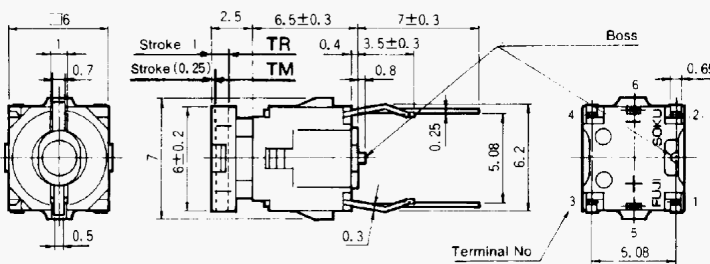
○ : For positioning boss

Circuit Diagram



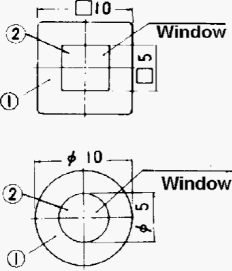
LTM2 • LTR2

OFF-(ON)



Optional Accessories

	Colour Button-Non-illuminated				Mounting Frame			
	□ 7.5	φ 7.5	□ 10	φ 10	□ 7.5	φ 7.5	□ 10	φ 10
Dark Grey	LZ0010	LZ1010	LZ0110	LZ1110	LZ2310	LZ3310	LZ2010	LZ3010
Grey	LZ0004	LZ1004	LZ0104	LZ1104	LZ2304	LZ3304	LZ2004	LZ3004
Light Grey	LZ0011	LZ1011	LZ0111	LZ1111	LZ2311	LZ3311	LZ2011	LZ3011
Ivory	LZ0012	LZ1012	LZ0112	LZ1112	LZ2312	LZ3312	LZ2012	LZ3012
Red	LZ0002	LZ1002	LZ0102	LZ1102	-	-	-	-
Green	LZ0005	LZ1005	LZ0105	LZ1105	-	-	-	-
Blue	LZ0006	LZ1006	LZ0106	LZ1106	-	-	-	-
	Colour Button - Full Face Illuminated				-	-	-	-
Clear	LZ6000	LZ7000	LZ6100	LZ7100	-	-	-	-
Red Clear	LZ6002	LZ7002	LZ6102	LZ7102	-	-	-	-
Green Clear	LZ6005	LZ7005	LZ6105	LZ7105	-	-	-	-
Yellow Clear	LZ6008	LZ7008	LZ6108	LZ7108	-	-	-	-

	Dark Grey Clear insert	Grey Clear insert	Light Grey Clear insert	Ivory Clear insert	Red Clear insert	Green Clear insert	Blue Clear insert
		LZ6140	LZ6137	LZ6141	LZ6142	LZ6136	LZ6138
	LZ7140	LZ7137	LZ7141	LZ7142	LZ7136	LZ7138	LZ7139