



INDICATING LIGHT ILLUMINATED ACTUATOR & SELECTOR ACTUATOR



LSTLLR



LST2LS



LST3LS



LSM-85



LSM-190



LSM-300



LEDMM-100



LEDMM-190



LSTL



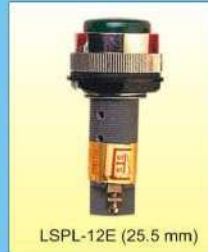
LSTLR



LSPL-11 (25.5 mm)



LSPL-14 (25.5 mm)



LSPL-12E (25.5 mm)



LSPL-12(25.5mm)



LSPL-B1(30.5mm)



LSPL-B4 (30.5 mm)



STMV-24



STMV-40

GSTIN No. 09AAECS4924J1Z2



ISO 9001:2015
Certified



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The Automatic Choice For Control & Signalling Looking for Lightstand Most Compact Control & Signalling Devices with 100% Reliability

As Per
IS: 13947 (part-5/Sec.1) of 1993 As well
as IEC: 947 -5(1) of 1990



Introduction :- STS the Pioneer in the manufacturing field since over a decade of Control & Signalling Devices- due to its High Quality and Satisfactory Performance to keep pace with the present and future demands for the varied choice of Applications in the Illumination System. STS team of R&D has accordingly developed LED (Light Emitting Diode) Indicator Modules, Illuminated Push Buttons and Luminous selector Swiches etc. Having a long life with the latest technological Innovation on the semi-conduction Principle with the solid-State Devices fitted in the enclosure of the Dough Moulding Compound (DMC) or Thermoplast Body Material. Our Modules are non-Flammable and non-hydroscopic, shock proof and vibration resistant. Hence, Once Fitted No Need of Replacement and Maintenance.

SALIENT FEATURE :-

- Excellent Illumination By Utilizing High Intensity cluster LED With Two Parallel Bifurcated Circuits.
- Being A Solid State Device, it is Entirely Shock-Proof and vibration resistant Module having Long Life (1 lac hours Nearly 11 Years) in all suitable Range AC/DC Colour Red/Green/ Yellow/Blue/White/ Amber/Milky/Clear.
- Very Low Power Consumption with 80% Energy Saving
- sufficient Capability To withstand voltage Fluctuations in the Supply line (i.e.±25%) with the zero failure capability.
- Modules Available in all Colours, Voltages and panel cut-out Dia.
- LED Indicators are rugged, long lasting & offer enormous saving in operating cost as such cost of the LED light is recovered in the first year-use itself.
- Tested & Certified form the reputed test laboratories.
- Leakage voltage glow protections (LVGP) Circuit fitted inside the module.
- STS Newly Developed Simple and safe STMV type LED
- Indicators are suitable for multi-voltage & multi-cutout requirements. This unique module accomodates the voltage range 40V-440V AC & 40V-240V DC & Panel cutouts 22.5 mm, 25.5mm &30.5mm Dia.
- Zero Failure capability due to the filtered semiconductor Circuit LED Technology.
- With the use of seperate suitable Adoptor the modules are interchangeable for lower to higher panel cutout dia. with the availability of all colours and wide range of voltages.
- Brightness clearly visible under sunlight or well Illuminated area.



[SINCE-1989]

The Automatic Choice For Control & Signalling LED INDICATING LIGHT

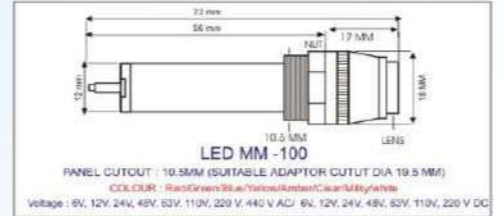
ILLUMINATION METHOD :	High Intensity Industrial Grade Cluster LED Utilized with two Parallel Bifurcated Circuit to achieve satisfactory and uniform light output
INTEGRAL SOLID STATE CIRCUIT :	Complete ripple free and filtered circuit used for the appropriate suitability of voltage and power consumption. Being a solid-state device it holds entirely shock proof and vibration resistant characteristics.
COLOUR :	Modules are available in all suitable colours, Red /Green/ Amber/ Yellow/ Blue/ White/ Clear
DIMENSION :	STS Brand LED indicating Indicator modules are available in all suitable panel cutout dia 8 mm, 10mm, 14.5 mm, 16.5 mm, 19.5 mm, 22.5 mm, 25.5 mm , 27.5 mm, 30.5 mm
BODY MATERIAL :	Body/ Barrel of the Module is Made of Heat And fire Retardant Thermosetting Dough Moulding Compound (DMC) Industrial Grade thermoplast Material
TERMINALS :	Brass Terminals Coated with Nickel/ Chromium/ Cadmium and each Terminal suitable to Hold 2 Nos. Pin type or shade Type 205 mm Cable Lugs
LENSE :	High spectral Transmission Grade Poly carbonate with suitable Colour Matching
RUBBER GASKET :	1 mm, Thickness Rubber Gasket is used to safety IP-65 Test Requirement
VOLTAGE RATING :	All Suitable Modules Available for voltage Up to 440 V AC and 220 V DC common. Modules for AC/DC 6V/ 12V / 24 V/ 28 V/63 V/ 110 V/ 220 V and 440 V for AC capacity to withstand 25% Voltage Fluctuations and 200% forward Current Fluctuations
POWER CONSUMPTION :	Less than 0.5 Watt for 230 V AC Less 1.5 watt for 220V DC
LIGHT INTENSITY :	The Axial Light Intensity shall be more than 100 Lux or Lumen / m Or 180 Milli Candle (mcd) the Brightness shall be clearly visible under Sun Light or in Well illuminated Area.
INSULATION RESISTANCE :	More than 5 mega ohms at 500 V DC Across Power Terminal and Body of the Module
TEMPERATURE RISE :	Less than 32 C Rise of Temperature at rated Voltage with Respect to the ambient Temperature on steady state Condition
TYPE TEST :	All the Modules have been tested & passed by the reputed test laboratories (ERTL) and type test certificate/ Internal test certificate are being furnished as and when required by our valued customers
LEAKAGE VOLTAGE GLOW PROTECTION CIRCUIT (LVGP CIRCUIT) :	A Protective Circuit shall be fitted Inside the Control Circuit of the Module As per special Requirement of the customer. It prevents the glowing of the LED at leakage Voltage (which is generated Due to the Inductive Effect in Between Two parallel Conductors Running adjacently in the Control wiring)



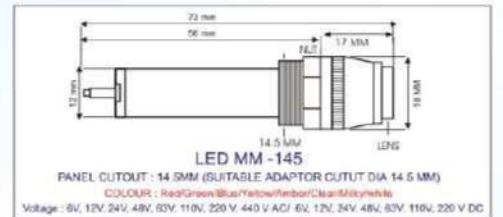
The Automatic Choice For Control & Signalling LED INDICATING LIGHT



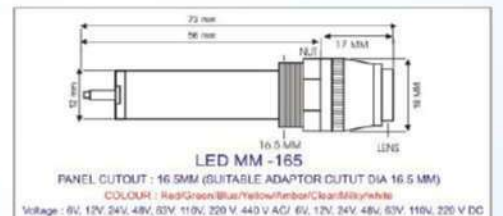
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 10.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant brass material,
Voltage : 6V,12V,24V,48V,63.5V,110V,230V,440V AC/DC



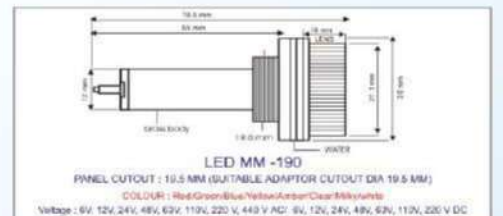
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 14.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant brass material,
Voltage : 6V,12V,24V,48V,63.5V,110V,230V,440V AC/DC



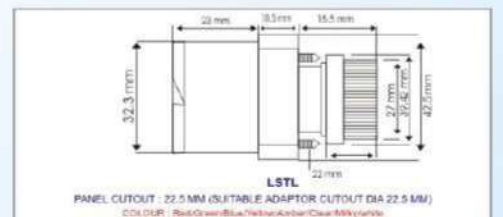
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 16.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant brass material,
Voltage : 6V,12V,24V,48V,63.5V,110V,230V,440V AC/DC



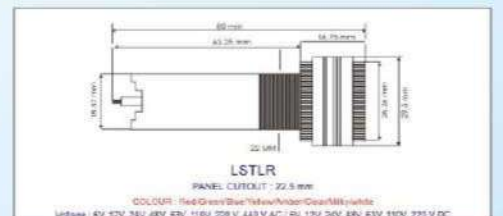
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 19.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant brass material,
Voltage : 6V,12V,24V,48V,63.5V,110V,230V,440V AC/DC



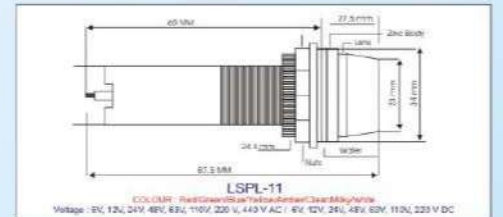
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 22.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant glass filled thermoplast material,
Voltage : 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 22.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant Dough Moulding compound (DMC)
Voltage : 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 25.5 mm
Body Material :-
 Non-flammable, non-hydroscopic, corrosion resistant Dough Moulding compound (DMC)
Voltage : 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



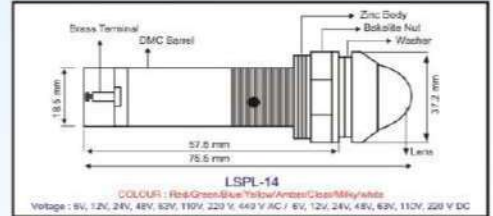


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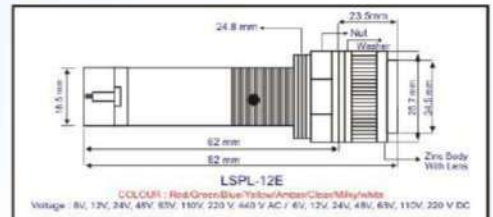
LED INDICATING LIGHT



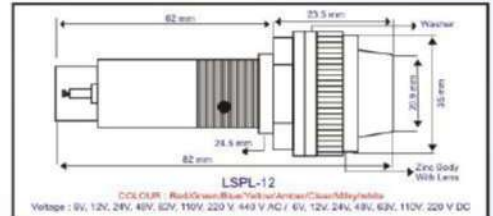
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 25.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Dough Moulding compound (DMC)
Voltage :
 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



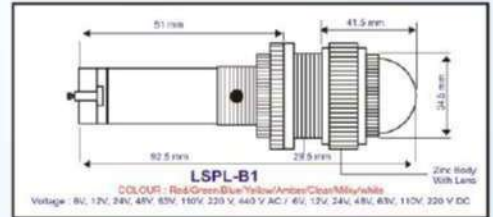
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 25.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Dough Moulding compound (DMC)
Voltage :
 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



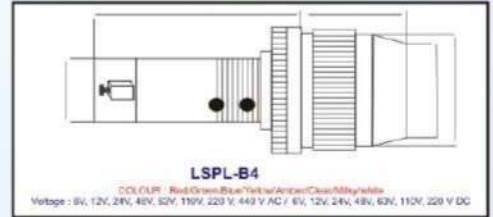
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 25.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Dough Moulding compound (DMC)
Voltage :
 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



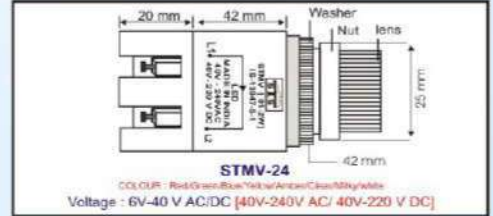
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 30.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Dough Moulding compound (DMC)
Voltage :
 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



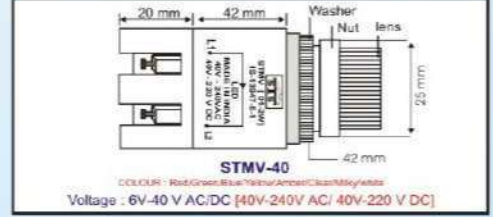
Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 30.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Dough Moulding compound (DMC)
Voltage :
 6V,12V,24V,48V,63V,110V,230V,440V AC/DC



Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 22.5/30.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Glass Filled thermoplast material
Voltage :
 24V to 240 V AC/DC



Pilot Light body with integral circuit and cluster LED module
Dimension :-
 Suitable for panel cutout size 22.5/30.5 mm
Body Material :-
 Non-flammable, non-hydrscopic, corrosion resistant
 Glass Filled thermoplast material
Voltage :
 40V to 240 V AC/DC





[SINCE-1989]

The Automatic Choice For Control & Signalling

LED ILLUMINATED ACTUATOR, SELECTOR ACTUATOR 2 POSITION & 3 POSITION

STS is Proud of to produce with Latest Technology : illuminated Actuators and illuminated Selector Actuators Having 2 & 3 Position fitted with LED Indicating Light Consisting Contact Elements 1NO & 1NC Conforming to the Requirement of IS: 13947 (part-5/Sec.1) of 1993 as well as IEC:947-5(1) of 1990. Entire products are made from high Quality of pure Engineering Plastics, Metallic chrome-plated Bezels & Polycarbonate Lenses. All the Technical Specifications/ Features of LED Indicating Light can be Found in the illuminated actuator Light. Further Salient Features are : Space economy, Robust Body construction, Aesthetically Elegant look, Larger Operating surface than 30.5 mm Dia series, Simple to fix and fully safe in Functional Operation from any Desirable Technical point of View, etc. Apart from above. The other seprate Technical specifications for illuminated Actuator with contact element are given below :



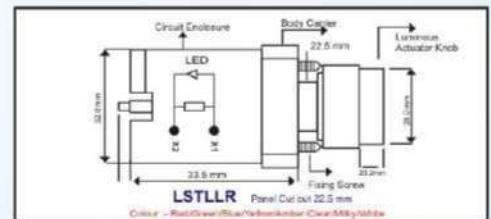
LSTLLR

Flush Illuminating actuator, with integral circuit and cluster LED

Dimension :-
Suitable for panel cutout size 22.5 mm

Body Material :-
Non-flammable, non-hydroscopic, corrosion resistant glass filled thermoplast material,

Voltage : 6V,12V,24V,48V,63V,110V,220V,440V AC/DC



LSTLLR

Colour - Red/Green/Blue/Yellow/Amber/Clear/Milky/White



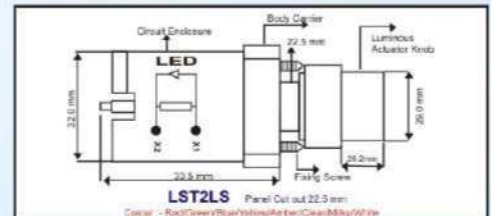
LST2LS

2 Position illuminated selector actuator with integral circuit & cluster LED

Dimension :-
Suitable for panel cutout size 22.5 mm

Body Material :-
Non-flammable, non-hydroscopic, corrosion resistant glass filled thermoplast material

Voltage : 6V,12V,24V,48V,63V,110V,220V,440V AC/DC



LST2LS

Colour - Red/Green/Blue/Yellow/Amber/Clear/Milky/White



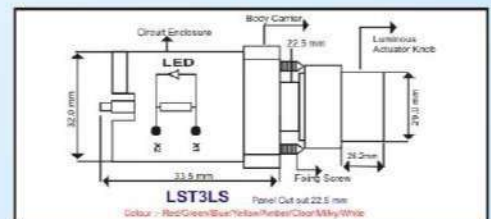
LST3LS

3 Position illuminated selector actuator with integral circuit & cluster LED

Dimension :-
Suitable for panel cutout size 22.5 mm

Body Material :-
Non-flammable, non-hydroscopic, corrosion resistant glass filled thermoplast material,

Voltage : 6V,12V,24V,48V,63V,110V,220V,440V AC/DC



LST3LS

Colour - Red/Green/Blue/Yellow/Amber/Clear/Milky/White



The Automatic Choice For Control & Signalling LED ILLUMINATED ACTUATOR, SELECTOR ACTUATOR 2 POSITION & 3 POSITION

TECHNICAL SPECIFICATION OF LED ILLUMINATED ACTUATOR & CONTACT ELEMENT	
Rated insulation Voltage	500V DC
Rated Operational Voltage for a) Contact Block b) LED	660V, 50 Hz 6,12,24,48,63,110, 220V, AC/DC & 440 V AC
Back-up of HRC Fuse Rating	16A Quick acting Cartridge 10A delayed acting Cartridge
Mechanical Life	11 Lac. Operations
Electrical Life	Depends upon normal safe Working load Current
illumination	300 Lux (Lumen/ m)
Switching Frequency	50 x24 = 1200 cycle per hour.
Degree of Protection a) Contact Block b) illuminated Actuators	Standard Execution - 1865 Standard Execution - 1820
Permissible Service temperature range	20 C to 65 C
Terminal Capacity a) Fine Standard b) Solid Conductor	2 x 0.5 to 1.5 mm 2 x 1 to 2.5 mm
Continuous rated operational current	AC 11-6A 415V AC / DC 11-1A 220V DC

Note :- STS make LED Indicator Lights available in series as well as in Parallel circuits or as per the requirement of the customer

GSTIN No. 09AAECS4924J1Z2



ISO 9001:2015
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