

Programmable Time Delay Switch
Product Information LSTDE-L 3 Wire
Optional Neutral



Specifications



Contact status	Normally open
Connection type	3 wire (optional neutral wire)
Supply voltage	230-240Vac +/-10%
Frequency	50Hz
Max current	10amp
Over temp cutout Current	12amp
Max Load	2500W (Incandescent) 2500VA(Fluorescent)
Min Load	30W(when no neutral terminal)
Operating temperature	0 to 50 °C
Cycle timer range	30secs to 259 minutes
Factory setting	30secs
Approval number	5453

Features and Applications:

The time delay switch is capable of switching loads for a number preset programmable times from 30 seconds to 259 minutes. A total of 8 preset times are available depending on the micro-switch toggle settings. The time delay switch incorporates an LED indicator around the switch button to enable easy locating in dim lit areas. This unit can be used on most kinds of loads, with or without a neutral terminal connection.

Understanding the function of the time delay switch:

Our time delay switch is capable of being used in two different environments.

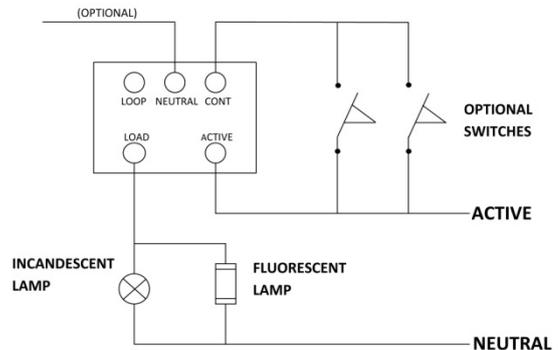
Type A setting will commence programmed preset timing each time the button is pressed. In the event that the button is pressed again prior to the preset time out, the program will recommence timing again.

Type B setting will commence programmed preset timing when the button has been pressed from the "Off" position. Once the programmed timing is running and the button is pressed again, the programmed timing will stop and power off the switch.

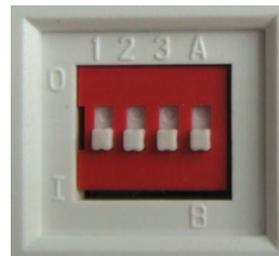
Notes:

- As with all devices that do not have a neutral connection, for the unit to operate, a working load must be connected and current passed through the load even when off. In various applications a load correction device may be required such as Fluorescent and compact fluorescent loads less than 30W may require a 10W 33k ohm resistor across the load to provide power to the circuit in the off state or loads of inductive type. Luminaries with power factor correction capacitor do not need additional load correctional device.
- The maximum recommended length of the control wire to remote push buttons is 50m.
- When no neutral connection is provided, Fluorescent light loads are restricted to electronic type ballasts, and Low voltage transformers are restricted to electronic type only.
- In installations where additional switching points requires the installation of a momentary press mechanism connected to the "CONT" terminal, it is possible that voltage feedback can affect the operation of this product. In this case, the additional momentary action switch points should be used to operate an in series 240V AC relay that switches power to the "CONT" terminal.
- When using the Optional Control Switch, a momentary press mechanism must be used.

Typical Applications:



Time Delay Settings:



Program Delay Type:

Bit4	Program Type
A	Type A
B	Type B

Timing setting list:

Bit1	Bit 2	Bit 3	Time
0	0	0	30s
I	0	0	1m
0	I	0	5m
I	I	0	10m
0	0	I	30m
I	0	I	60m
0	I	I	120m
I	I	I	259m

This product is covered by an Inhouse warranty period of 5 years. Please visit www.connectedswitchgear.com for terms of warranty.

WARNING: Warranty will be voided unless a surge protection device is place in the input side of time delay switch.

- 6) Optional wiring diagram for applications where connected loads with a greater inrush current of 10amps using an external 240V AC relay

