

## TWILIGHT SWITCH

### MODEL T 42

#### INTRODUCTION:

Twilight Switch with lamp fault alarm Model : T 42 is a outdoor unit, basically designed for automatic operation of Aviation lamps on the communication towers at the un manned stations such as BTS /backbone sites. This unit comprises Twilight switch with built-in lamp fault monitoring circuit. It consists of two independent channels for connecting aviation lamps at two different stages on the towers i.e. 30 &70 Mtr. It is suitable for the towers up to 70 Meters height. Only one or two lamps of specified type can be connected at the lower & top stages with the help of short links SL1 & SL2 channel 1& 2 can be either enabled or disabled as per the requirement.

#### SPECIFICATIONS

##### SYSTEM CONFIGURATION

a) Twilight switch	T 42
b) Light sensor	In-built
c) No. of Channels	Two (Both Channels can be enabled or disabled by the shorting links SL1& SL2 provided on the main PCB)

##### VISUAL INDICATIONS

a) Power on	Green indicator
b) Channel 1 lamp fail	Red indicator
c) Channel 2 lamp fail	Red indicator

#### Remote alarms

Remote alarms are separately provided through potential free relay contacts. Alarm relays remain normally open / normally close as per your requirement and offers short contact during alarm condition.



##### ELECTRICAL SPECIFICATIONS

a) Operating supply	230 V AC +/- 10 %, Single Phase, at 50 Hz
b) Power consumption	Min 1.5 W to Max 8.0 W

##### MECHANICAL SPECIFICATIONS

a) Panel size	H X W X D 225 X 190 X 90 MM
b) Panel weight	2 Kg. (excluding sensors)
c) Panel color	Off white
d) Panel mounting	Vertical wall mounting

##### LAMPS SPECIFICATIONS (RECOMMENDED)

a) Channel 1	LED Array Lamp or 60 W Filament Max 2 Nos.
b) Channel 2	LED Array Lamp or 60 W Filaments Max 2 Nos.
c) Panel color	15 to 30 Seconds for Day & Night
d) Activation Delay	Vertical wall mounting