

TWILIGHT SWITCH

➔ MODEL TC 2302

INTRODUCTION:

Twilight Switch with lamp fault alarm Model: TC 2302 is 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 mtr and 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	TC 2302
b] Light sensor	PS 3432
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 +/- 5 %, 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 220 X 155 X 80 MM
b] Panel weight	1.5 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.
d] Activation Delay	15 to 30 Seconds for Day & Night