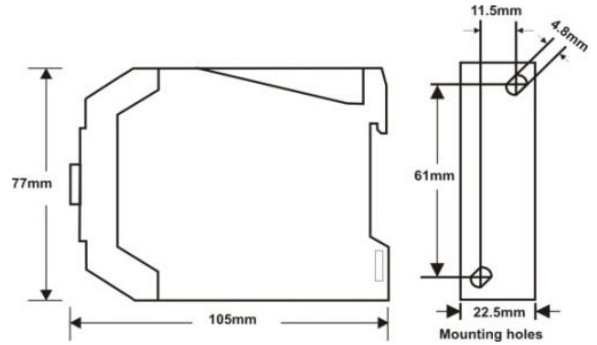


ANALOG TIMER : TASD-60S



Star - Delta



Dimensions

All Dimensions in mm

FEATURES	TIME RANGES									
<ul style="list-style-type: none"> Star Delta Low Cost High Reliability Compact DIN Rail / Base Mounting 	<p>Star Run up time range :</p> <p>0 - 30 Sec</p> <p>0 - 60 Sec</p> <p>Pause time:</p> <p>50 ms or 100 ms (switch selectable)</p> <p>(Refer NOTE below)</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>RUN UP TIME</p> <p>1 30 Sec</p> <p>1 60 Sec</p> <p>↓ON</p> </div> <div style="text-align: center;"> <p>PAUSE TIME</p> <p>2 50 mSec</p> <p>2 100 mSec</p> </div> </div> <p style="text-align: center;">Switch Settings</p>								
OPERATING MODES	Star Delta									
INDICATIONS	LED Status Indicator : Star Relay ON, Delta Relay ON									
SUPPLY VOLTAGE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SUPPLY VOLTAGE</td> <td>110V / 230V / 415V AC ±15% , 47 – 63Hz (Refer ordering information below)</td> </tr> <tr> <td>POWER CONSUMPTION</td> <td>10VA Max</td> </tr> <tr> <td>INRUSH CURRENT</td> <td>Maximum 3.2A , 20ms</td> </tr> </table>		SUPPLY VOLTAGE	110V / 230V / 415V AC ±15% , 47 – 63Hz (Refer ordering information below)	POWER CONSUMPTION	10VA Max	INRUSH CURRENT	Maximum 3.2A , 20ms		
SUPPLY VOLTAGE	110V / 230V / 415V AC ±15% , 47 – 63Hz (Refer ordering information below)									
POWER CONSUMPTION	10VA Max									
INRUSH CURRENT	Maximum 3.2A , 20ms									
ISOLATION	Supply Terminals – Contacts : 1.5KV, 1min. Contact Set1 – Contact Set2 : 1.5KV, 1min.									
OUTPUT SPECIFICATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>OUTPUT CONTACT</td> <td>SPDT (1 C/O each for Star and Delta)</td> </tr> <tr> <td>CONTACT RATING</td> <td>5A@230V AC</td> </tr> </table>	OUTPUT CONTACT	SPDT (1 C/O each for Star and Delta)	CONTACT RATING	5A@230V AC	<p style="text-align: center;">Timing Diagram</p>				
OUTPUT CONTACT	SPDT (1 C/O each for Star and Delta)									
CONTACT RATING	5A@230V AC									
ACCURACY	Setting : ±5% of Full Scale, Repeat : ±0.5% or 50msec of Full Scale.									
RESET	On interruption of power, Reset time < 100msec									
ENDURANCE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>POTENTIOMETER</td> <td>MECHANICAL : 1000 Cycles</td> </tr> <tr> <td>RELAY</td> <td>MECHANICAL : 10,000,000 ops. Minimum (1800 ops./hr.) ELECTRICAL : 100,000 ops. Minimum (1200 ops./hr.)</td> </tr> </table>	POTENTIOMETER	MECHANICAL : 1000 Cycles	RELAY	MECHANICAL : 10,000,000 ops. Minimum (1800 ops./hr.) ELECTRICAL : 100,000 ops. Minimum (1200 ops./hr.)					
POTENTIOMETER	MECHANICAL : 1000 Cycles									
RELAY	MECHANICAL : 10,000,000 ops. Minimum (1800 ops./hr.) ELECTRICAL : 100,000 ops. Minimum (1200 ops./hr.)									
AMBIENT CONDITIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>OPERATING AMBIENT</td> <td>0-55°C, 85% RH</td> </tr> <tr> <td>STORAGE AMBIENT</td> <td>-20°C to 85°C</td> </tr> <tr> <td>HUMIDITY</td> <td>95% RH non condensing</td> </tr> </table>	OPERATING AMBIENT	0-55°C, 85% RH	STORAGE AMBIENT	-20°C to 85°C	HUMIDITY	95% RH non condensing			
OPERATING AMBIENT	0-55°C, 85% RH									
STORAGE AMBIENT	-20°C to 85°C									
HUMIDITY	95% RH non condensing									
GENERAL SPECIFICATIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>TERMINATIONS</td> <td>Screw type, for 2.5mm sq. wire</td> </tr> <tr> <td>MOUNTING</td> <td>DIN rail / Base Mount</td> </tr> <tr> <td>WEIGHT</td> <td>110 gms</td> </tr> <tr> <td>PROTECTION LEVEL</td> <td>IP40 for housing, IP20 for terminals, Finger Safe Terminals</td> </tr> </table>	TERMINATIONS	Screw type, for 2.5mm sq. wire	MOUNTING	DIN rail / Base Mount	WEIGHT	110 gms	PROTECTION LEVEL	IP40 for housing, IP20 for terminals, Finger Safe Terminals	<p style="text-align: center;">Terminal Connections</p>
TERMINATIONS	Screw type, for 2.5mm sq. wire									
MOUNTING	DIN rail / Base Mount									
WEIGHT	110 gms									
PROTECTION LEVEL	IP40 for housing, IP20 for terminals, Finger Safe Terminals									
ORDERING INFORMATION	TASD – 60S – 230AC									
	DESIGN NO.	SUPPLY VOLTAGE								
	TASD-60S	110AC : 110V AC 230AC : 230V AC 415AC : 415V AC								

NOTE : If the time setting is altered , it will be effective from next cycle.