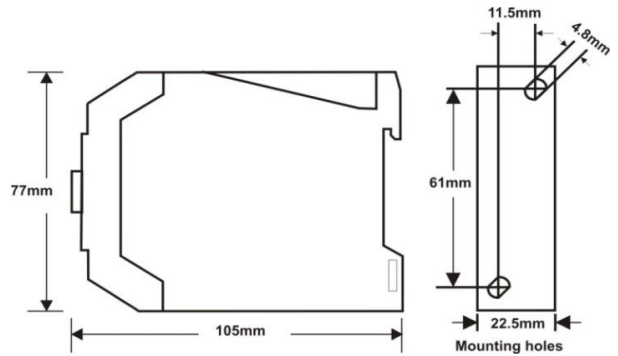


# ANALOG TIMER : TAFR-8M-U



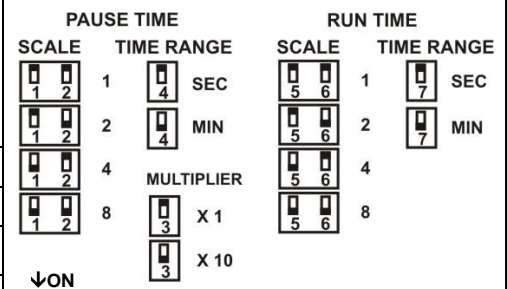
**Forward - Reverse**



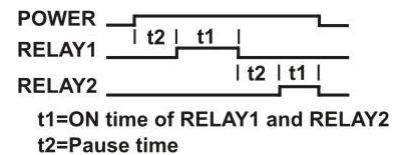
**Dimensions**

All dimensions in mm

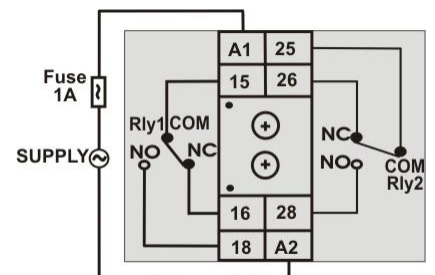
|                               |   |   |                    |
|-------------------------------|---|---|--------------------|
| <b>FEATURES</b>               | <ul style="list-style-type: none"> <li>Forward – Pause – Reverse</li> <li>RUN Time : 1 Sec – 8 Min</li> <li>Pause Time : 1 Sec – 80 Min</li> <li>Universal Supply Voltage</li> <li>Low Cost</li> <li>High Reliability</li> <li>Compact</li> <li>DIN Rail / Base Mounting</li> </ul> |   | <b>TIME RANGES</b> |
|                               | <p style="text-align: center;">RUN TIME :<br/>0 - 1/2/4/8/ SEC / MIN</p> <p style="text-align: center;">Pause Time :<br/>0 - 1/2/4/8/10/20/40/80 Sec / Min<br/>(switch selectable)<br/>( Refer NOTE below )</p>   |   |                    |
| <b>OPERATING MODES</b>        | Forward – Pause – Reverse   |   |                    |
| <b>INDICATIONS</b>            | LED Status Indicator : Power ON, Relay ON   |   |                    |
| <b>SUPPLY VOLTAGE</b>         | <b>SUPPLY VOLTAGE</b>   | 20 to 240V AC , 47 – 63Hz or 12 to 240V DC<br>(Refer ordering information below)                          |                    |
|                               | <b>POWER CONSUMPTION</b>  | 2VA Max   |                    |
|                               | <b>INRUSH CURRENT</b>   | Max. 5A@240V AC for 20ms, 500mA@12VDC   |                    |
| <b>ISOLATION</b>              | Supply Terminals – Contacts : 1.5KV, 1min<br>Contact Set1 – Contact Set2 : 1.5KV, 1min  |   |                    |
| <b>OUTPUT SPECIFICATION</b>   | <b>OUTPUT CONTACT</b>   | 1 C/O each for Forward & Reverse  |                    |
|                               | <b>CONTACT RATING</b>   | 5A@230V AC / 24V DC, Resistive  |                    |
| <b>ACCURACY</b>               | Setting : ±5% of Full Scale, Repeat : ±0.5% or 50msec of Full Scale.  |   |                    |
| <b>RESET</b>                  | On interruption of power, Reset time < 100msec  |   |                    |
| <b>ENDURANCE</b>              | <b>POTENTIOMETER</b>  | MECHANICAL : 1000 Cycles  |                    |
|                               | <b>RELAY</b>  | MECHANICAL : 10,000,000 ops. Minimum (1800 ops./hr.)<br>ELECTRICAL : 100,000 ops. Minimum (1200 ops./hr.) |                    |
| <b>AMBIENT CONDITIONS</b>     | <b>OPERATING AMBIENT</b>  | 0–55°C, 85% RH  |                    |
|                               | <b>STORAGE AMBIENT</b>  | -20°C to 85°C   |                    |
|                               | <b>HUMIDITY</b>   | 95% RH non condensing   |                    |
| <b>GENERAL SPECIFICATIONS</b> | <b>TERMINATIONS</b>   | Screw type, for 2.5mm sq. wire  |                    |
|                               | <b>MOUNTING</b>   | DIN rail / Base Mount   |                    |
|                               | <b>WEIGHT</b>   | 120 gms   |                    |
|                               | <b>PROTECTION LEVEL</b>   | IP40 for housing, IP20 for terminals, Finger Safe Terminals   |                    |
| <b>ORDERING INFORMATION</b>   | <b>TAFR – 8M – U</b>  |   |                    |
|                               | <b>DESIGN NO.</b>   | <b>SUPPLY VOLTAGE</b>   |                    |
|                               | TAFR-8M   | U : 20 to 240V AC , 47-63Hz<br>or<br>12 to 240V DC  |                    |



**Switch Settings**



**Timing Diagram**



**Terminal Connections**

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