

Fig.1 The MWI module.

APPLICATION

Timing module coupling the pulse transmitter with executive systems.

DESCRIPTION

After turning on the module (supply voltage applied), the S relay contacts are closed for the set time T. If a pulse from the transmitter is given during this time, the relay contacts remain closed and the time T is measured from the beginning. The module responds to the rising edge of the input pulse. Each pulse is extended to the programmed time T. Applying an input pulse longer than time T causes the relay contacts to switch on only for the programmed time T.

The output pulse time is programmed by shorting contacts 8 and 9 to ground according to the table in Fig. 3. The diagram below illustrates the principle of operation of the MWI module.

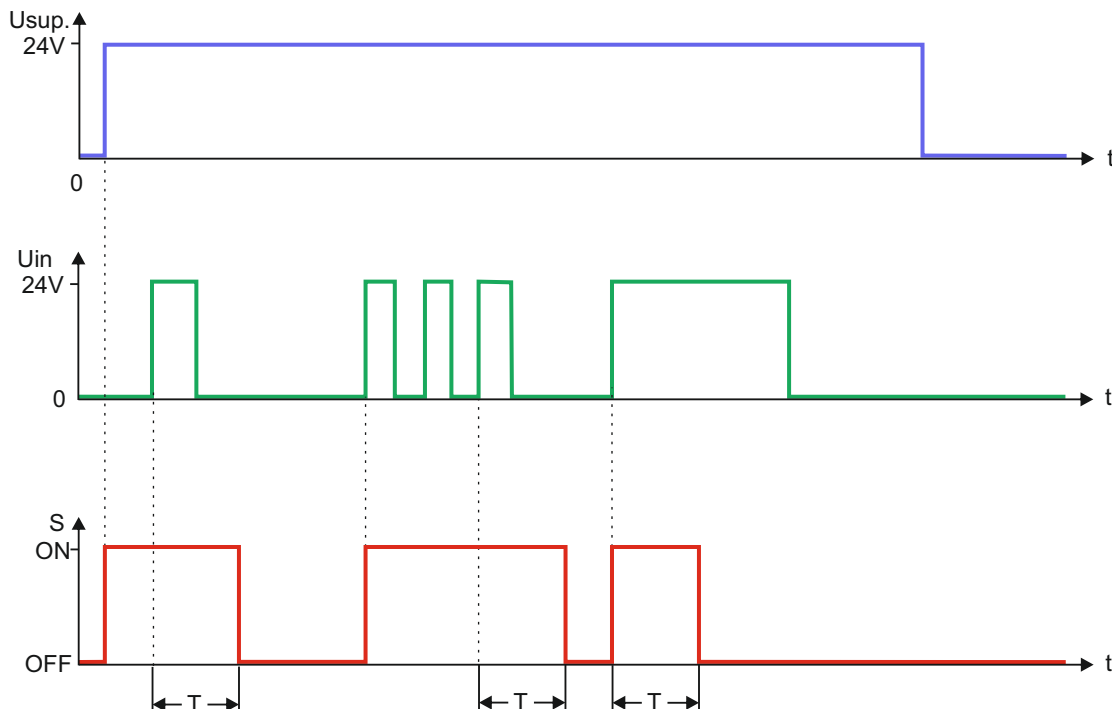


Fig.2 MWI module operation diagram.

NOTE: The output pulse length and output signal voltage can be individually set according to specifications.

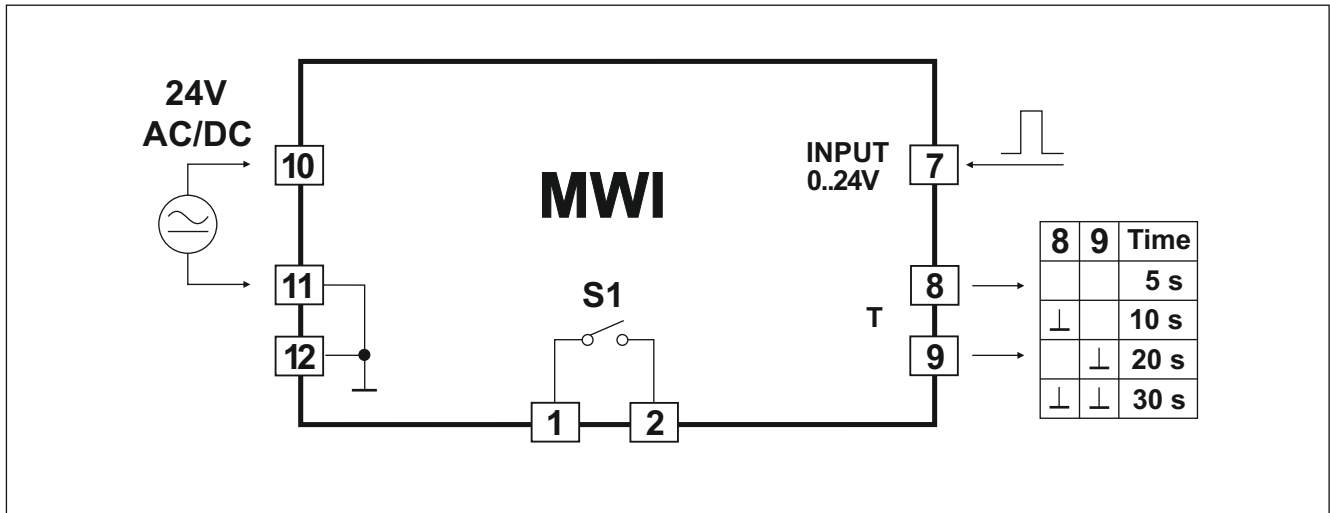


Fig.3 Connections of the MWI.

TECHNICAL DATA

| Module name | MWI |
|--|------------------------------|
| Power supply | 24 V AC/DC ± 10% |
| Max. current consumption | 35 mA for 24 V AC, 24mA DC |
| Input resistance | 7,8kΩ |
| Input voltage | 0 - 24V |
| T times | 5s, 10s, 20s, 30s |
| Type of relay | Electromechanical |
| Contact switching capacity alternating current cosφ=1 direct current | 400V, 8A [2000VA] 32V, 8A |
| Contact resistance | 100mΩ |
| Protection class of the case | IP-40 |
| Compliance with EU standards | 2014/30/WE |
| Ambient temperature range | -10...+55°C |
| Diameter of terminals | 2,5 mm ² |
| Protections | against reverse polarisation |
| Mounting | DIN-35 rail |
| Dimensions (L x W x H) | 90mm x 17,5mm x 56mm |
| Weight | 52 g |

October 2021