Module suitable to control with a 15Vdc 30mA logic signal a zero-crossing static relay. It is able to convert the various control signals that are found within the industrial field, as potentiometers 1-10K, 0-10V and 4-20MA. These signals are converted into proportional times (SSR) with 0.5 or 1 Sec. cycle times.

On the front there is a trimmer for limitation of the control signal and the event signalling leds. It is able to run preheating cycles with fixed percentage of 30% for programmable times of 0.5 -1-2 or 4 min.

Provides for the management of run and stop of the semiconductor, through a command that enables at first a contact for the activation of a safety contactor and then the SSR output for relay control.

Then it provides the reverse cycle for system stop.

This run/stop operation is essential to avoid creating electric arcs with mechanical contacts, reason of major faults due to overvoltage of the semiconductors.

The MCS-IP-DA version has also the ability to diagnose through a continuous test the possible faults of the system, i.e. the fault of the extra fast fuse, the total fault of the load and the faults of the semiconductor.



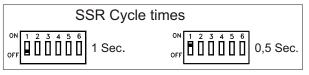
TECHNICAL SPECIFICATIONS:

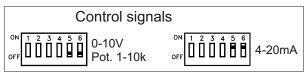
- 24V ac/dc power supply 3VA (Terminal 1 and 2).
- Inputs: Pot 1-10K ohm, 0-10V dc and 4-20mA (Terminals 3, 4 and 5).
- Trimmer for signal limitation (only for 0-10V dc control) on the front.
- -Out SSR 15Vdc 30mA (Terminal 6 and 7).
- SSR cycle times 0.5 and 1 Sec.
- Input with run external contact (Terminal 8 and 9) or with logical signal 12-24V DC between the terminal 2 (-) and the terminal 9 (+).
- Run contact activation time 0.1 Sec first out time SSR 2 Sec. SSR turn off time from stop 0.5 Sec contact opening time 2 Sec.
- Preheating: fixed value of 30% for the time of 0.5-1-2 and 4 minutes. Start after run contact (if Dip 2 is enabled).

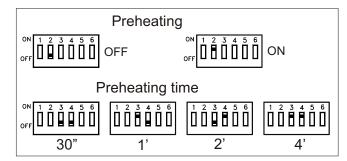
Version MCS-IP-DA

- Input test in, out SCR (Terminal 12 and 13).
- Test voltage at ends IN OUT 230-440V AC.
- Out Alarm 15V dc 20mA (Terminals 14 and 15).

PROGRAMMING DIPS







Example of connection

Technical note:

All the negatives, both the control power one and the alarm output one are commor

