

SOM 8 plus solar control unit

The solar control unit SOM 8 plus is used in complex solar thermal systems. Up to 5 systems for DHW heating can be controlled at the same time. Central heating backup and solar swimming pool water heating are also possible. Two weather-compensated heating circuits can be controlled independently of each other. The predefined selection functions simplify the system parameter settings. The four PWM outputs enable variable speed control of high efficiency pumps. A heat statement for 3 system circuits is possible when V40 flow meters are connected. As an alternative, the heat statement can be prepared with a default flow rate value with 7 system circuits. The large, backlit full-graphics display shows statement and curve diagrams. It is operated via 7 pushbuttons. An SD card adapter slot enables data recording. The energy-saving switching power supply enables low standby power consumption of $\leq 1\text{ W}$.



The most important features

- 15 inputs for PT 1000 sensor
- 14 semiconductor relays, of which 1 floating changeover relay
- 4 PWM outputs for speed control of high efficiency pumps
- Predefined functions
- SD card slot for data recording
- Real-time clock
- Heat statement, or metering
- Data output (VBUS)
- Function check
- Pasteurisation program
- Semi-conductor relay for variable speed solar circuit pumps



| Type | |
|----------------------------|-------------|
| Type | SOM 8 plus |
| Part no. | 230933 |
| Consumer | 5 |
| Specification | |
| Height | 200 mm |
| Width | 253 mm |
| Depth | 43 mm |
| Phases | 1/N/PE |
| Rated voltage | 100...240 V |
| Frequency | 50...60 Hz |
| Relay capacity | 1 (1) A |
| Total switching current | 6,30 A |
| IP-Rating | IP20 |
| Number of inputs | 15 |
| Number of switched outputs | 14 |