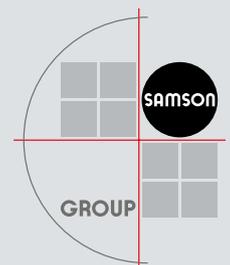# SOL71 Solar Controller

Flexible PLC for freely configurable solar thermal systems

KT Elektronik

- Control of complex solar thermal systems
- Simple and convenient operation using plain text menus
- Switching power supply with low consumption
- 17 universal inputs
- 12 relay outputs
- Two pulse inputs for flow rate measurement
- Four 0 to 10 V outputs, e.g. for pump speed control
- Integrated data logging and communication interface
- 103 predefined plant schemes
- SOL applications programmed and created using ISaGRAF®

SAMSON GROUP

Technical data

Sample application	
Inputs	17 universal inputs for temperature sensors (e.g. Pt 100/500/1000/2000, Ni 200/1000, PTC or NTC resistors 1 to 2 KΩ, 0 (4) to 20 mA/50 Ω, 0 to 10 V input, binary input) 2 pulse inputs for flow rate or heat measurement
Outputs	10 relay outputs, max. load 250 V AC, 2 A and two low-load outputs 100 mA/50 V DC 4 0 to 10 V outputs for pump speed control
Interfaces	Port for memory module (load and save controller settings) or data logging module RS-232 interface for modem or point-to-point connection to a PC Meter bus interface Modbus slave and master interface (communication with other Modbus units) Optional: expansion unit with six additional universal inputs and four additional relay outputs
General	Dimensions: 144 x 96 x 111 mm (with base) Mounting: wall, DIN rail or panel mounting (cut-out: 138 x 92 mm) Operating voltage: 85 to 250 V, 48 to 62 Hz, max. 8 W