



MESys Solar

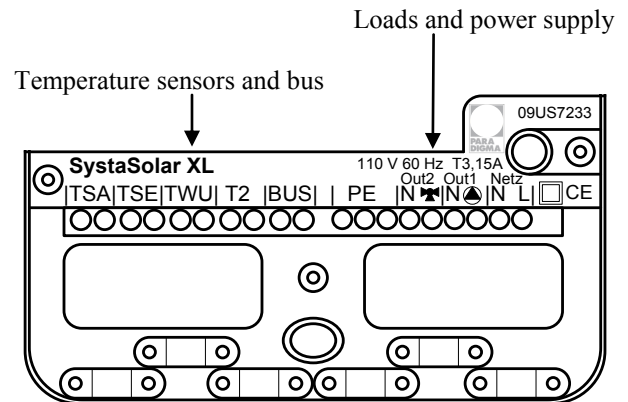
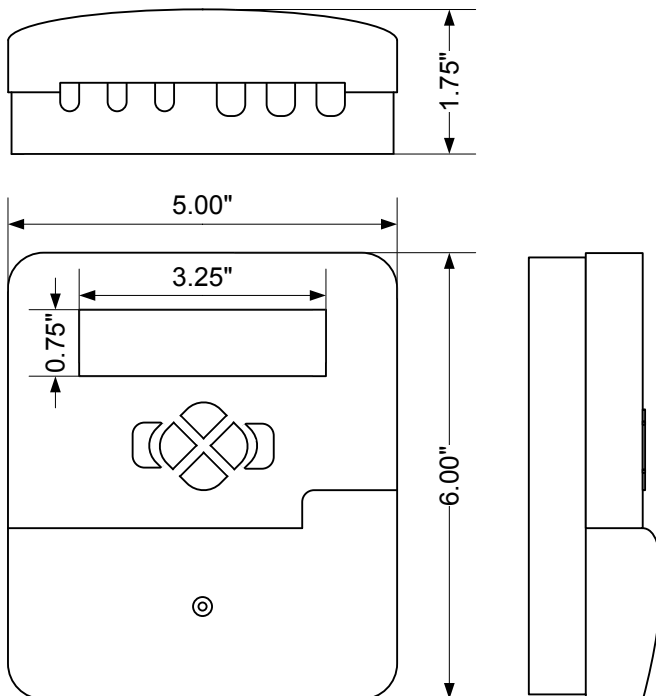
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Cut Sheet
Ritter XL Solar

Technical Data



Supply voltage	110 V +/- 10%; 50/60Hz
Power consumption	max. 2.5 VA
Ambient temperature	32°F - 120°F (0°C- 50°C)
Protection degree	IP40 per EN 60529-1
Protection class	II per EN 60730-1
Input:	4 temperature sensors: 1 x PT1000 3 x NTC 5K
Output	2 relays; 110 V, 1A; 50 Hz
Fuse	Microfuse, 3.15 AT, 250V

Comfortable Operation

- Easy setting and reading of temperatures and solar yield
- Large and easily legible illuminated display
- Easy to operate through plain text menu
- Displays feed-in power, daily and total yield and pump runtime
- Displays temperatures and malfunctions of the system
- Sensitive settings are protected via an access code

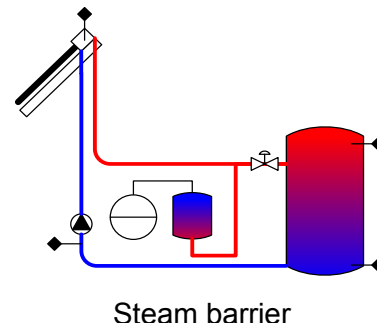
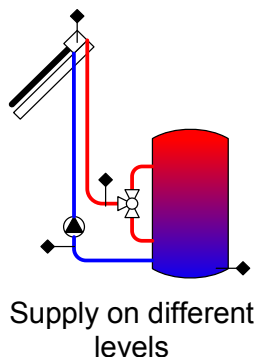
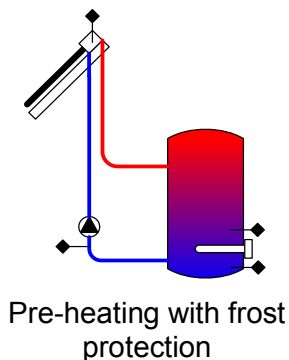
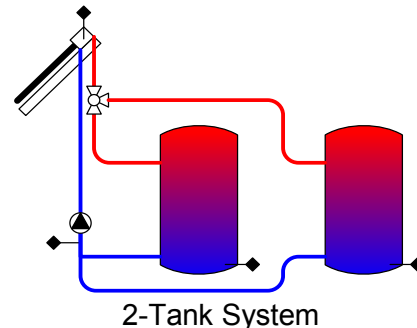
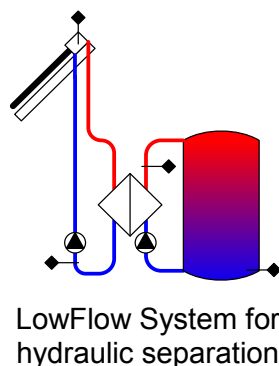
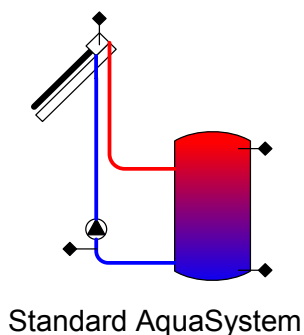
Energy Savings

- The only proven solution for eliminating glycol in pressurized systems even in cold environments
- Set-point control tremendously reduces energy consumption of pumps
- Intelligent frost protection function with a minimum amount of energy
- Overheating protection of the storage tank
- Self-diagnostic monitoring: Malfunctions get automatically detected and analyzed. If possible the malfunction gets compensated through auto-adjusted controller settings. Otherwise the cause of the malfunction gets displayed visually and via an acoustic alarm

Scope of Delivery

Controller, 3 temperature sensors NTC 5 K, mounting hardware
09US7233

Hydraulic Options



Accessories

- **Surge protection box**
Highly recommended for the collector sensors on the roof to avoid damage e.g. in case of a thunder storm.
09-7386
- **Sensor switch**
Extension module for systems with more than 1 collector sensor on the roof. Up to 4 sensors can be monitored
09-7231
- **LAN Interface**
Communication interface for monitoring, programming and remote control of the system via Ritters' remote portal website.
09-7488