www.koolance.com

**Specifications Sheet**

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# P/N: CTR-KSM100

## CTR-KSM100 Controller with Hardware and Software Interfaces




CTR-KSM100 is a liquid cooling system controller with both hardware and software interfaces. It incorporates a 2-line OLED display for user control and feedback, and a USB port for configuration and logging via the Koolance System Monitor application.

Supported features are listed below. Please note: temperature features and set-point control requires a K-type thermocouple or 10K thermistor (not included).

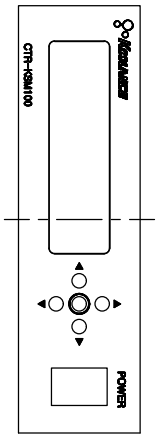
- Control 12VDC radiator fans using a temperature set-point or constant speed setting (max 2A per connector)
- Control a 12VDC (max 36W) or 24VDC (max 50W) pump with 10 speed levels
- Show coolant flow rate in LPM or GPM (optional Koolance flow meter required)
- Show normal or low reservoir coolant level (optional Koolance level sensor required)
- Show pump and fan RPM
- Set alarm and trigger relay points based on: temperature, pump speed, fan speed, flow rate, and coolant level
- Select only the values you want shown on the front OLED display
- Requires 12VDC input power, such as Koolance's PSU-ALX12V (DC power terminal cable is included)

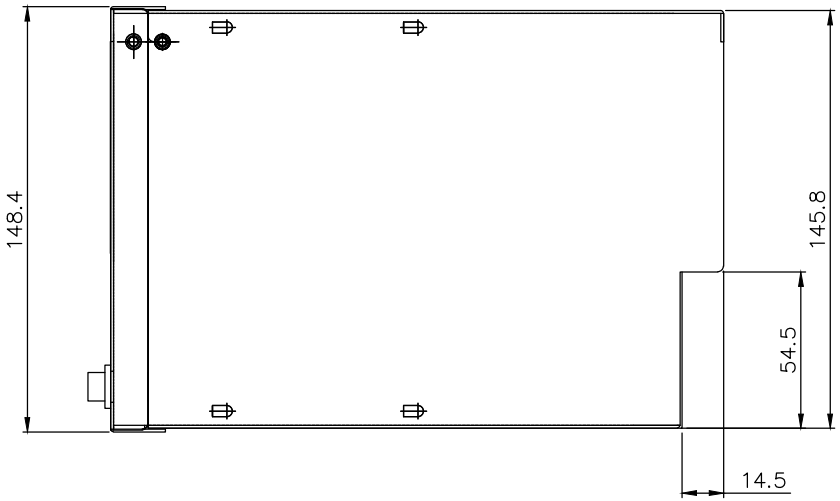
The CTR-KSM100 has four fan outputs. To connect more than four fans, simply add them together with a fan wiring harness.

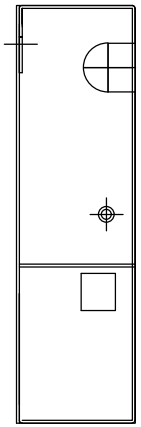
CAUTION: Do not operate components at voltages which exceed their specifications. Running a 12V-max pump at 24V from the speed controller can damage the pump.

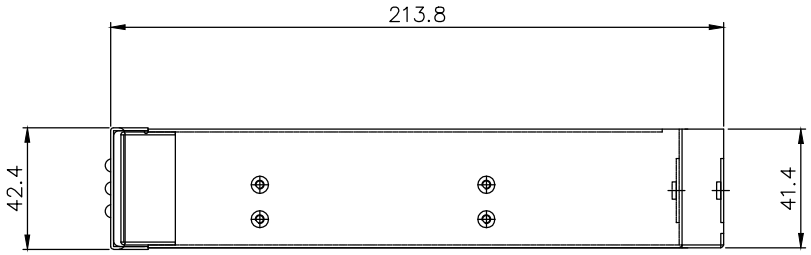
| General | |
|---|---|
| Weight | 1.50 lb (0.68 kg) |

File






| NO. | DESCRIPTION | | | | MATER'L | QUANTITY | REMARKS |
|---|---|---|---|---|---|---|---|
| KOOLANCE | | | | | UNIT MM | PART NO. CTR-KSM100 | |
| | BY | BY | BY | APPRD BY | SCALE N/S | TITLE Ass'y | |
| DATE | | | | | 3RD ANGLE | | |
| | ys.shin | | | | DWG. NO. | ITEM | |