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Specifications Sheet

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P/N: RPM-ALX400

RPM-ALX400 Reservoir and Pump Module for ALX Series (Rev.2.4)

RPM-ALX400 is a front reservoir, pump, and control unit for Koolance's ALX modular cooling systems. Included hardware allows it to be physically combined with an HXM heat exchanger module (sold separately).

This unit has a USB port for viewing and logging of temperature and sensor data via the Koolance System Monitor application. Rev.2.0 ALX systems add software control options for temperature set point, alarm, trigger relay, pump speed, and fan speed. Rev.2.1 adds a pump disable option and 0-5V output signal.

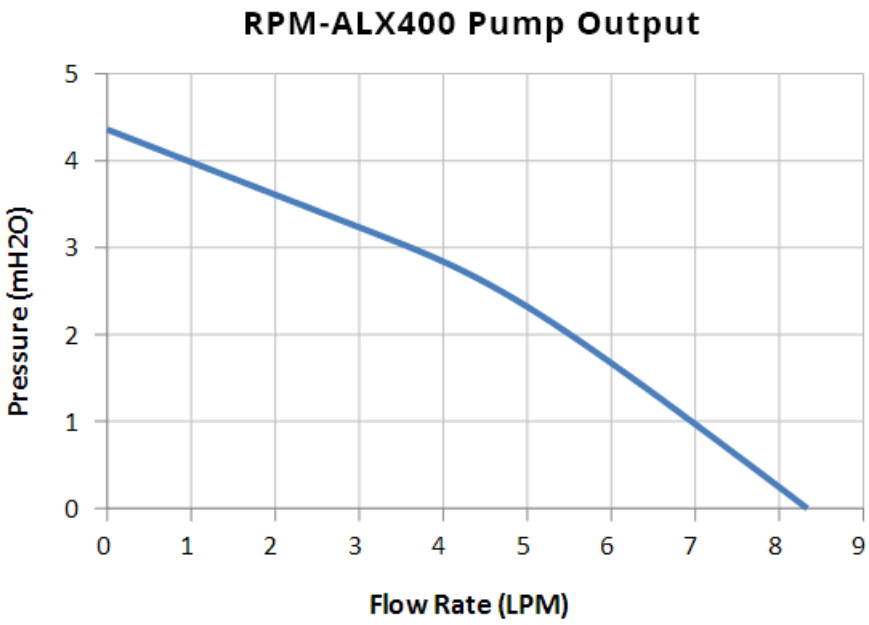
- Temperature in °C/°F with set-point based on: liquid, or one of two optional K-type thermocouples
- Pump: 10 manual levels, up to 8.2LPM (2.2GPM)
- Select only values you want displayed on the front 2-line OLED display (fixed or rotating)
- **Show coolant flow rate in LPM/GPM
- Show pump impeller speed in RPM
- **Show radiator fan speed in RPM
- Enable audio alarm based on: temperature, **flow rate, and/or reservoir coolant level
- Enable relay trigger (NO or NC) based on: temperature, **flow rate, and/or reservoir coolant level
- Power input: 12VDC, 25W (plus any connected HXM modules)
- Reservoir capacity: 600ml (20.3 fl oz)
- G 1/4 BSPP threads on back for fittings

**When attached to an HXM heat exchanger module

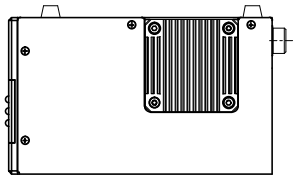
NOTE: Requires 12VDC input power. Koolance offers a separate power supply for AC wall outlet sources.

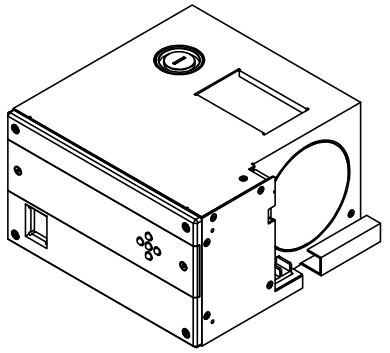
General	
Weight	4.60 lb (2.09 kg)
Fitting Thread	G 1/4 BSPP
Max Pressure Tolerance @ 25°C	2kgf/cm2 (28.5psi)
Max Temperature Tolerance	60°C (140°F)
Reservoirs	
Capacity	400ml
Display Type	OLED
Pump	PMP-400 @ 12V
Temperature Sensors	Liquid & Two K-Type Thermocouples (optional)
Pumps	
Max Flow Rate	8.2LPM (2.2GPM)
Voltage	12 VDC

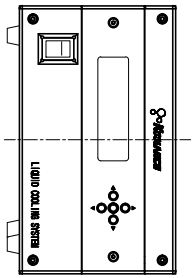
General

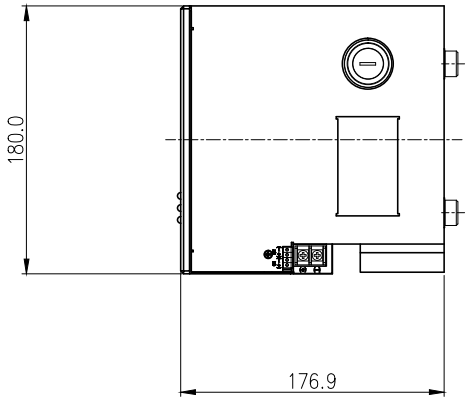

RPM-ALX400 Pump Output
Pressure (mH2O)
0
1
2
3
4
5
0
1
2
3
4
5
6
7
8
9
Flow Rate (LPM)

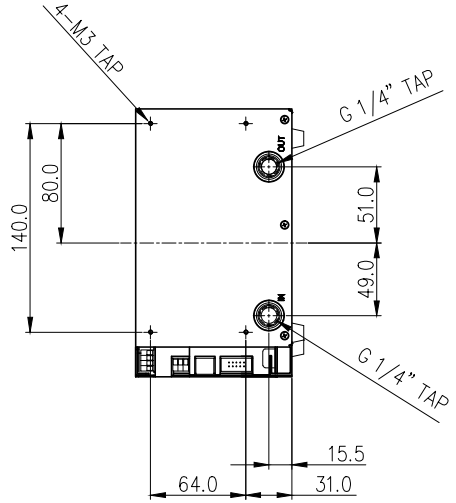
File

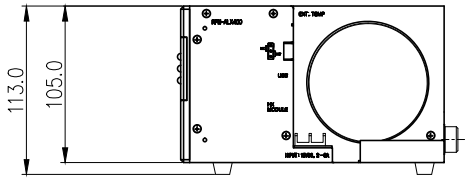












NO.	DISCRIPTION				MATER'L		QUANTITY	REMARKS
KOOLANCE®					UNIT	MM	ITEM RPM-ALX400	
	BY	BY	BY	APPRO BY	SCALE	N/S	TITLE	
DATE					3RD ANGLE		Ass'y	
	S.J.LEE				CODE NO.		DWG. NO.	PAGE