

RPM-ALX400 Reservoir and Pump Module for ALX Series (Rev.2.1)



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 (-30 to 90°C), or one of two optional K-type thermocouples (-20 to 120°C)
- 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: 400ml (13.5 fl oz)
- G 1/4 BSPP threads on back for fittings

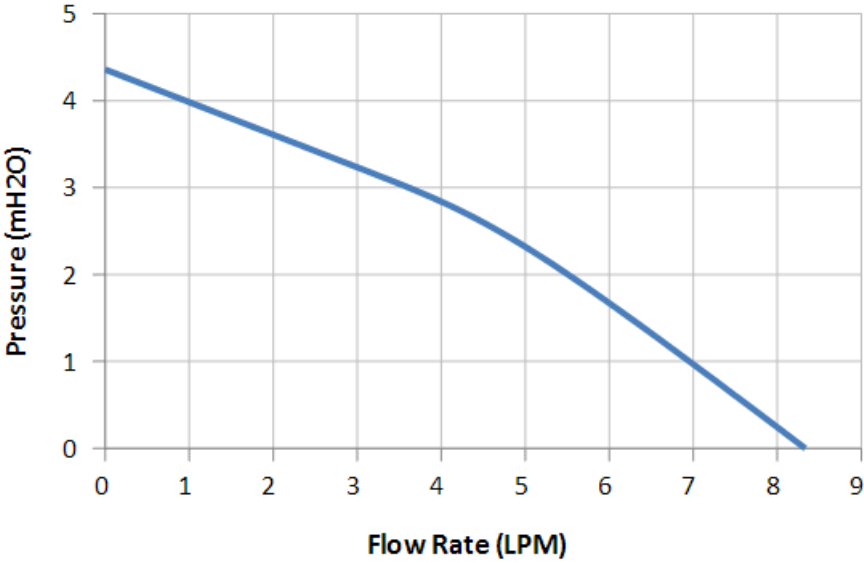
**When attached to an HXM heat exchanger module

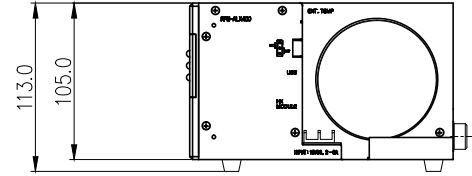
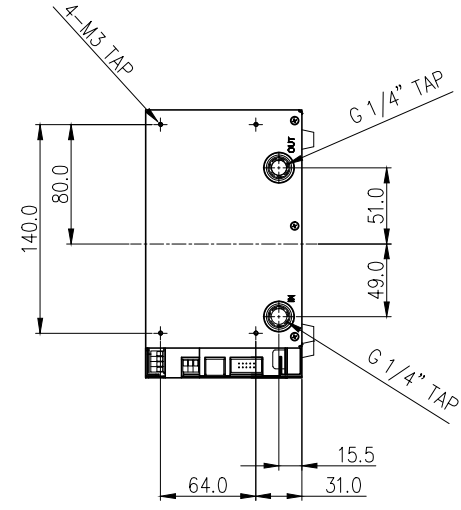
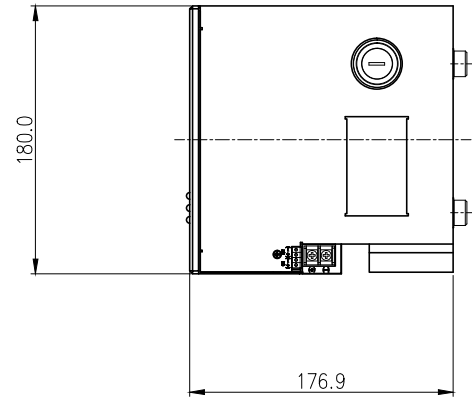
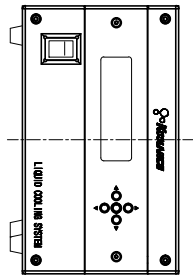
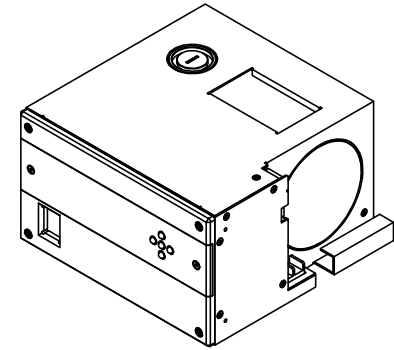
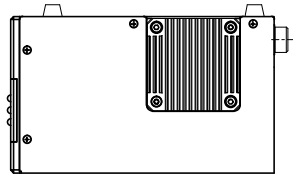
NOTE: Requires 12VDC input power. Koolance offers a separate [power supply](#) for AC wall outlet sources.

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

General	
Voltage	12 VDC

RPM-ALX400 Pump Output





NO.	DISCRIPTION				MATER'L		QUANTITY	REMARKS
					UNIT	MM		
	KOOLANCE				SCALE	N/S	ITEM	RPM-ALX400
DATE					BY	BY	BY	APPRO BY
	S.J.LEE				CODE NO.	DWG. NO.	PAGE	