

2840 W Valley Hwy N, Ste 101, Auburn, WA 98001, USA
 Phone: +01 253-249-7669
<https://koolance.com>

	Byte	Device	Explanation
STX	0	STX	* [0xCF]: Host to KSM * [0xDF]: KSM to Host
CMD	1	Command	* [0x01]: Data request (Host to KSM) * [0x02]: Data send (KSM to Host) * [0x03]: Disconnect (KSM to Host) * [0x04]: Set request (Host to KSM)
Monitoring Data	2,3	LIQ Temp (°C)	* (°C * 10) + 2000 * [0xFAC]: Out of Range * [0xFA3]: Sensor Open * [0xFA4]: Sensor Short
	4,5	CH1 Temp	* (°C * 10) + 2000
	6,7	CH2 Temp	* [0xFAC]: Out of Range
	8,9	Fan RPM	* [0x000] - [0x2710]: 0 - 10,000 RPM
	10,11	Pump RPM	* [0x000] - [0x2710]: 0 - 10,000 RPM
	12,13	Flow Meter	* [0x0000] - [0x2710]: Value * 10 (LPM or GPM)
User Mode Settings	14	Fan Mode	* [0x00]: Fixed Mode * [0x01]: Auto Mode, based on LIQ Temp * [0x02]: Auto Mode, based on CH1 Temp * [0x03]: Auto Mode, based on CH2 Temp
	15	Fan Power / Set Point	* Fixed Mode: 0 - 100 (%) * Auto Mode: (Fan Mode * 44) + Temp Set Point (°C or °F)
	16,17	Pump Power	* [0x01] - [0x0A]: (Levels 1 - 10)
	18,19	Flow Meter	See Chart 3
Alarm Setup	20,21	LIQ Temp	* [0xAAAA]: Disable
	22,23	CH1 Temp	* Send: (°C * 10) + 2000
	24,25	CH2 Temp	* Receive: (°C / 10) - 2000
	26,27	Flow Meter	* [0xAAAA]: Disable * Send: (LPM or GPM) * 10 * Receive: (LPM or GPM) / 10
	28,29	Fan RPM	* [0xAAAA]: Disable
30,31	Pump RPM	* [0x0064] - [0x2710]: 100 - 10000 RPM (Increments of 100)	
Relay Setup	32,33	LIQ Temp	* [0xAAAA] : Disable
	34,35	CH1 Temp	* Send: (°C * 10) + 2000
	36,37	CH2 Temp	* Receive: (°C / 10) - 2000
	38,39	Flow Meter	* [0xAAAA]: Disable * Send: (LPM or GPM) * 10 * Receive: (LPM or GPM) / 10
	40,41	Fan RPM	* [0xAAAA]: Disable
42,43	Pump RPM	* [0x0064] - [0x2710]: 100 - 10000 RPM (Increments of 100)	
Units	44,45	Unit	* [0x0001]: °C / LPM * [0x0002]: °F / GPM
Level Sensor	46,47	Level Sensor	* [0x0001]: Normal * [0x0002]: Problem
	48,49	Level Sensor Setup	See Chart 5
CRC	50	Check Sum	* Sum(Byte 0, ... Byte 49) % 0x64

