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	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)	* [0xxxx]: (Measured temp in Celsius) x 10 + 2000 * [0FAC]: Out of Range, * [0FA3]: Sensor Open , * [0FA4]: Sensor Short
	4,5	CH1 Temp.	* [0xxxx]: (Measured temp in Celsius) x 10 + 2000
	6,7	CH2 Temp.	* [0FAC]: Out of Range
	8,9	Fan RPM	* [0xxxx]: Value (100~10,000) rpm
	10,11	Pump RPM	* [0xxxx]: Value (100~10,000) rpm
	12,13	FlowMeter	* [0x0000] ~ [0x2710]: Value * 10 (lpm or gpm)
User Mode Settings	14	FAN Power Mode	* [0x01]: Fixed Mode * [0x02]: Set Auto Mode, Referring LIQ Temp * [0x03]: Set Auto Mode, Referring CH1 Temp * [0x04]: Set Auto Mode, Referring CH2 Temp
	15	Fan Power	* Fixed Mode : Duty Ratio in (0~100)% set by user * Auto Mode : User Setup Value : 0~100 (°C) or °F
	16,17	Pump Power Level	* [0x01] ~ [0x0A]: (Power levels 1 – 10)
	18,19	FlowMeter	* Flowmeter 6mm, 10mm, 13mm * FM-14 [057E], [0582], [0586] * FM-16 [0646], [064A], [064E] * FM-17 [06AA], [06AE], [06B2] * FM-18 [070E], [0712], [0716] * FM-19 [0772], [0776], [077A]
Alarm Setup	20,21	LIQ Temp	7 * [0xAAAA] : Disable
	22,23	CH1 Temp	* Send: (°C * 10) + 2000 (In Celsius value)
	24,25	CH2 Temp	* Receive: (°C / 10) - 2000 (In Celsius value)
	26,27	FlowMeter	* [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), Increase 100
Relay Setup	32,33	LIQ Temp	* [0xAAAA] : Disable
	34,35	CH1 Temp	* °F Then Send value(°C)
	36,37	CH2 Temp	* Send: (°C * 10) + 2000, * Receive: (°C / 10) - 2000
	38,39	FlowMeter	* [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), Increase 100
Option	44,45	Unit	* [0x0001]: °C / LPM, * [0x0002]: °F / GPM
	46,47	Level Sensor	* [0x0001]: Normal, * [0x0002]: Problem
	48,49	Level Sensor Setup	* [0x0001]: Off Alarm: Off, Relay: Off * [0x0002]: Buzzer Alarm: On, Relay: Off * [0x0003]: Relay Alarm: Off, Relay: On * [0x0004]: All On Alarm: On, Relay: On
CRC	50	CRC (Check Sum)	* [0x!!] = Check Sum (0x00!!_3

* Requesting [3bytes] : STX[0xCF] + CMD[0x01] + CRC[0x08]

Fan Auto Mode Setting Range					
Temp	Fahrenheit (°F)		Celsius (°C)		Increments
Sensor	Min	Max	Min	Max	
FM	-22	194	-30	90	0.1
CH1	-4	248	-20	120	0.1
CH2	-4	248	-20	120	0.1

Alarm / Relay Setting Range					
Temp	Fahrenheit (°F) / LPM		Celsius (°C) / GPM		Increments
Sensor	Min	Max	Min	Max	
FM	0	99	32	211	1
CH1	0	119	32	247	1
CH2	0	119	32	247	1
FAN	100	10000	100	10000	100
PUMP	100	10000	100	10000	100
FLOW	0.1	20	0.1	2.7	0.1

FlowMeter & Intended Tubing Size / Flow coefficient			
FlowMeter	6mm (ID)	10mm (ID)	13mm (ID)
FM-14	[057E]	[0582]	[0586]
FM-16	[0646]	[064A]	[064E]
FM-17	[06AA]	[06AE]	[06B2]
FM-18	[070E]	[0712]	[0716]
FM-19	[0772]	[0776]	[077A]

Level Sensor Values			
[Hex]	State	Alarm	Relay
[0x01]	ALL OFF	G\$\$	G\$\$
[0x02]	BUZZER	ON	G\$\$
[0x03]	RELAY	G\$\$	ON
[0x04]	ALL ON	ON	ON

Connection Parameters	
Serial Port	COM1, COM2, etc.
Bits Per Second (Baud Rate)	9600 bps
Parity	None
Data Bits	8
Stop Bits	1
Flow Control (Handshake)	None
Discard Null	False
DTR (Data Terminal Ready)	False
RTS (Request To Send)	False
Received Bytes Threshold	1