RC8057G1 MODBUS MAP

Description	MODBUS Address	R / W	Range	Default	Unit of Measure	Value
System on/off	0x0400	W	0 TO 1	1		0: Off 1: On
Mode setting	0x0401	W	0 TO 6	4		0: Stop (or Sleep), 1: Internal circulation, 2: Cooling, 3: Heating, 4: Automatic 5: Override Full Cooling, 6: Override Full Heating
Fault Reset	0x0402	W	0 TO 1	1		0: Off 1: On
Cooling set point	0xE600	R/W	-50 TO 550	150	°C	One implied decimal place. Note: Cooling Set Point > Heating Set Point
Heating set point	0xE601	R/W	-40 TO 300	100	°C	One implied decimal place Note: Heating Set Point < Cooling Set Point
Cooling delta T	0xE602	R/W	10 TO 100	30	°C	One implied decimal place.
Heating delta T	0xE603	R/W	10 TO 100	30	°C	One implied decimal place.
Pump gear selection	0xE604	R/W	0 TO 4	0		Scope: [0,4] 0: 60L/min@115Kpa 1: 80L/min@75Kpa 2: 50L/min@75Kpa 3: 50L/min@30Kpa 4: Future
ID	0xE605	R/W	1 TO 247	1		
Baud rate	0xE606	R/W		19200		9600,19200,38400, 115200
Stop position	0xE607	R/W	0 TO 1	1		0: 1 stop bit 1: 2 stop bits
Compressor gear selection	0xE608	R/W	0 TO 3	0		0: 100% 1: 75% 2: 60% 3: 50%
Protocol control mode selection	0xE60A	W	0 TO 1	0		0: Modbus mode 1: Future
Outlet water temperature	0xE700	R			°C	One implied decimal place.
Inlet water temperature	0xE701	R			°C	One implied decimal place.
Inlet water pressure	0xE704	R			Bar	Two implied decimal places.
Outlet water pressure	0xE705	R			Bar	Two implied decimal places.
High outlet water temperature	0xE706	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
Low outlet water temperature	0xE707	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
Outlet water temperature sensor fault	0xE708	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
Inlet water temperature sensor fault	0xE709	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
System over pressure alarm	0xE718	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
Outlet water over pressure alarm	0xE719	R	0, 1, 32			0 normal, 1 alarm, 32 alarm failed
Current pump speed	0xE71A	R	0 TO 1000		%	One implied decimal place.
Pump status	0xE71B	R	0 TO 1			0: Closed 1: Open
Heartbeat	0xE71C	R	0 TO 32767		# / sec	Counts per second
Compressor status	0xE71D	R	0 TO 1			0: Closed 1: Open
Software part number	0xE71E	R				
Software version	0xE71F	R				
Total compressor operating time	0xE720	R			seconds	

RC8057G1 MODBUS MAP

Description	MODBUS Address	R / W	Range	Default	Unit of Measure	Value
Compressor opening times	0xE722	R			# times	
Total electric heating operating time	0xE724	R			seconds	
Electric heating opening times	0xE726	R			# times	
Total water pump operating time	0xE728	R			seconds	
Water pump opening times	0xE72A	R			# times	
Total external fan operating time	0xE72C	R			seconds	
External fan opening times	0xE72E	R			# times	
Current system mode	0xE730	R	0 TO 6			0: Stop (or Sleep) 1: Internal circulation, 2: Cooling, 3: Heating, 4: Automatic 5: Override Full Cooling 6: Override Full Heating
Current protocol control mode	0xE731	R	0 TO 1			0: Modbus mode 1: CAN mode

Rev.	Date	COR/ECN #	Description of Change	Initials
1	05/31/2022	N/A	Initial release.	D. Deschamps