

M-7000 Address Mapping

M-7015

Address	Description	Attribute
30001	Analog input value of channel 0	R
30002	Analog input value of channel 1	R
30003	Analog input value of channel 2	R
30004	Analog input value of channel 3	R
30005	Analog input value of channel 4	R
30006	Analog input value of channel 5	R
10129	Status of analog input channel 0	R
10130	Status of analog input channel 1	R
10131	Status of analog input channel 2	R
10132	Status of analog input channel 3	R
10133	Status of analog input channel 4	R
10134	Status of analog input channel 5	R

M-7016

Address	Description	Attribute
40001	Analog input value of channel 0	R
40002	Analog input value of channel 1	R
40097	Counter value of digital input	R
40033	Output value of excitation voltage, 0 ~ 10000	R/W
40193	Power on value of excitation voltage, 0 ~ 10000	R/W
00001	Digital input value of channel 0	R
00033	Digital output value of channel 0	R/W
00034	Digital output value of channel 1	R/W
00035	Digital output value of channel 2	R/W
00036	Digital output value of channel 3	R/W
00097	Safe value of digital output channel 0	R/W
00098	Safe value of digital output channel 1	R/W
00099	Safe value of digital output channel 2	R/W
00100	Safe value of digital output channel 3	R/W
00193	Power on value of digital output channel 0	R/W
00194	Power on value of digital output channel 1	R/W
00195	Power on value of digital output channel 2	R/W
00196	Power on value of digital output channel 3	R/W
40161	S1 value of linear mapping	R/W
40162	S2 value of linear mapping	R/W
40163	T1 value of linear mapping	R/W
40164	T2 value of linear mapping	R/W
40225	Low limit of alarm value	R/W
40226	High limit of alarm value	R/W
40481	Firmware version (low word)	R

40482	Firmware version (high word)	R
40483	Module name (low word)	R
40484	Module name (high word)	R
40485	Module address (1 ~ 247)	R/W
40486	Baud rate (3 ~ 10)	R/W
40487	Type code (0 ~ 6)	R/W
40488	Response delay time (0 ~ 30)	R/W
40489	Host watchdog timeout time in 100ms (0 ~ 255)	R/W
40490	Channel mode, 0: channel 0, 1: channel 1, 2: 2-channel mode	R/W
40492	Host watchdog timeout count, write 0 to clear	R/W
40495	LED control mode, 1: module, 2: host	R/W
40496	LED data in host control mode, -19999 ~ +19999, read as 0	W
00257	Protocol selection, 0: DCON, 1: Modbus RTU	R/W
00259	Filter setting, 0: 60Hz rejection, 1: 50Hz rejection	R/W
00260	Modbus host watchdog mode 0: same as I-7000 1: can use AO and DO command to clear host watchdog timeout status	R/W
00261	Host watchdog, 0: disable, 1: enable	R/W
00262	Alarm, 0: disable, 1: enable	R/W
00263	Alarm type, 0: momentary, 1: latched	R/W
00264	1 to clear latched alarm	W
00265	Linear mapping, 0: disable, 1: enable	R/W
00266	1 to clear counter	W
00269	Modbus data format, 0: hex, 1: engineering	R/W
00270	Host watchdog timeout status, write 1 to clear host watch dog timeout status	R/W
00273	Reset status, 1: first read after powered on, 0: not the first read after powered on	R

M-7017/M-7017R/M-7017C/M-7017RC

Address	Description	Attribute
30001	Analog input value of channel 0	R
30002	Analog input value of channel 1	R
30003	Analog input value of channel 2	R
30004	Analog input value of channel 3	R
30005	Analog input value of channel 4	R
30006	Analog input value of channel 5	R
30007	Analog input value of channel 6	R
30008	Analog input value of channel 7	R

M-7018/M-7018R

Address	Description	Attribute
30001	Analog input value of channel 0	R
30002	Analog input value of channel 1	R
30003	Analog input value of channel 2	R
30004	Analog input value of channel 3	R
30005	Analog input value of channel 4	R
30006	Analog input value of channel 5	R
30007	Analog input value of channel 6	R
30008	Analog input value of channel 7	R
30129	CJC temperature	R

M-7019R

Address	Description	Attribute
30001	Analog input value of channel 0	R
30002	Analog input value of channel 1	R
30003	Analog input value of channel 2	R
30004	Analog input value of channel 3	R
30005	Analog input value of channel 4	R
30006	Analog input value of channel 5	R
30007	Analog input value of channel 6	R
30008	Analog input value of channel 7	R
30129	CJC temperature	R
10129	Status of analog input channel 0	R
10130	Status of analog input channel 1	R
10131	Status of analog input channel 2	R
10132	Status of analog input channel 3	R
10133	Status of analog input channel 4	R
10134	Status of analog input channel 5	R
10135	Status of analog input channel 6	R
10136	Status of analog input channel 7	R

M-7022

Address	Description	Attribute
40001	Analog output value of channel 0	R/W
40002	Analog output value of channel 1	R/W
40065	Analog output read back value of channel 0	R
40066	Analog output read back value of channel 1	R
40193	Power on analog output value of channel 0	R/W
40194	Power on analog output value of channel 1	R/W
40257	Type code of channel 0	R/W
40258	Type code of channel 1	R/W
40289	Slew rate of channel 0	R/W
40290	Slew rate of channel 1	R/W

Type Code	Output Range	Data Format	+F.S.	-F.S.
0	0 to 20 mA	Engineering	+20.000	+00.000
		Hexadecimal	0FFF	0000
1	4 to 20 mA	Engineering	+20.000	+04.000
		Hexadecimal	0FFF	0000
2	0 to +10 V	Engineering	+10.000	+00.000
		Hexadecimal	0FFF	0000

Note: Only hexadecimal data format is supported for Modbus RTU protocol.

M-7024

Address	Description	Attribute
40001	Analog output value of channel 0	R/W
40002	Analog output value of channel 1	R/W
40003	Analog output value of channel 2	R/W
40004	Analog output value of channel 3	R/W
40193	Power on analog output value of channel 0	R/W
40194	Power on analog output value of channel 1	R/W
40195	Power on analog output value of channel 2	R/W
40196	Power on analog output value of channel 3	R/W

Type Code	Output Range	Data Format	+F.S.	-F.S.
30	0 to 20 mA	Engineering	+20.000	+00.000
		Hexadecimal	3FFF	0000
31	4 to 20 mA	Engineering	+20.000	+04.000
		Hexadecimal	3FFF	0000
32	0 to +10 V	Engineering	+10.000	+00.000
		Hexadecimal	3FFF	0000
33	-10 to +10 V	Engineering	+10.000	-10.000
		Hexadecimal	3FFF	C000
34	0 to +5 V	Engineering	+05.000	+00.000
		Hexadecimal	3FFF	0000
35	-5 to +5 V	Engineering	+05.000	-05.000
		Hexadecimal	3FFF	C000

Note: Only hexadecimal data format is supported for Modbus RTU protocol.

M-7033

Address	Description	Attribute
30001	Analog input value of channel 0	R
30002	Analog input value of channel 1	R
30003	Analog input value of channel 2	R

M-7000 DIO

Address	Channel	Description	Attribute
00001~00032	DO 0 ~ DO 31	Current DO value	R/W
00033~00064	DI 0 ~ DI 31	Current DI value	R
00065~00096	0~31	DIO Latch high value	R
00097~00128	0~31	DIO Latch low value	R

M-7080

Address	Description	Attribute
40001	Counter/frequency value of channel 0 (low word)	R
40002	Counter/frequency value of channel 0 (high word)	R
40003	Counter/frequency value of channel 1 (low word)	R
40004	Counter/frequency value of channel 1 (high word)	R
40065	Max. value of counter 0 (low word)	R/W
40066	Max. value of counter 0 (high word)	R/W
40067	Max. value of counter 1 (low word)	R/W
40068	Max. value of counter 1 (high word)	R/W
40097	Preset value of counter 0 (low word)	R/W
40098	Preset value of counter 0 (high word)	R/W
40099	Preset value of counter 1 (low word)	R/W
40100	Preset value of counter 1 (high word)	R/W
40161	Low level width threshold in us	R/W
40162	High level width threshold in us	R/W
40163	Low voltage trigger value in 0.1V	R/W
40164	High voltage trigger value in 0.1V	R/W
00001	DO 0	R/W
00002	DO 1	R/W
00065	Overflow flag of counter 0	R
00066	Overflow flag of counter 1	R
00129	Input mode of channel 0, 0:non-isolated, 1:isolated	R/W
00130	Input mode of channel 1, 0:non-isolated, 1:isolated	R/W
00131	0: gate is low active, 1: gate is high active, when gate control is enabled	R/W
00132	Gate control, 0: enable, 1:disable	R/W
00133	Set counter 0 to preset value	W
00134	Set counter 1 to preset value	W
00135	Start(1)/Stop(0) counter 0	R/W
00136	Start(1)/Stop(0) counter 1	R/W
00139	Enable(1)/disable(0) digital filter	R/W
00142	Frequency gate time, 0:0.1second, 1: 1.0second	R/W
00143	LED configuration, 0:ch0, 1: ch1	R/W