

The rule for address mapping between Modbus & Fatek

● Mapping rule:

Modbus 0xxxx 4xxxx or 00xxxx 40xxxx	Facon Discrete elements of Ynnn,Xnnn,Mnnnn,Snnn,Tnnn,Cnnn Data Registers of Rnnnn ,Dnnnn,Tnnn,Cnnn Discrete elements of Ynnn,Xnnn,Mnnnn,Snnn,Tnnn,Cnnn Data Registers of Rnnnn ,Dnnnn,Tnnn,Cnnn
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● Available range:

Modbus (5-code)	Facon	Description
00001 ~ 00256	Y0 ~ Y255	(Discrete Output)
01001 ~ 01256	X0 ~ X255	(Discrete Input)
02001 ~ 04002	M0 ~ M2001	(Discrete M Relay)
06001 ~ 07000	S0 ~ S999	(Discrete S Relay)
09001 ~ 09256	T0 ~ T255	(Status of T0 ~ T255)
09501 ~ 09756	C0 ~ C255	(Status of C0 ~ C255)
40001 ~ 44168	R0 ~ R4167	(Holding Register)
45001 ~ 45999	R5000 ~ R5998	(Holding Register or ROR)
46001 ~ 48999	D0 ~ D2998	(Data Register)
49001 ~ 49256	T0 ~ T255	(Current Value of T0 ~ T255)
49501 ~ 49700	C0 ~ C199	(Current Value of C0 ~ C199 , 16-bit)
49701 ~ 49812	C200 ~ C255	(Current Value of C200 ~ C255 , 32-bit)

or

Modbus (6-code)	Facon	Description
000001 ~ 000256	Y0 ~ Y255	(Discrete Output)
001001 ~ 001256	X0 ~ X255	(Discrete Input)
002001 ~ 004002	M0 ~ M2001	(Discrete M Relay)
006001 ~ 007000	S0 ~ S999	(Discrete S Relay)
009001 ~ 009256	T0 ~ T255	(Status of T0 ~ T255)
009501 ~ 009756	C0 ~ C255	(Status of C0 ~ C255)
400001 ~ 404168	R0 ~ R4167	(Holding Register)
405001 ~ 405999	R5000 ~ R5998	(Holding Register or ROR)
406001 ~ 408999	D0 ~ D2998	(Data Register)
409001 ~ 409256	T0 ~ T255	(Current Value of T0 ~ T255)
409501 ~ 409700	C0 ~ C199	(Current Value of C0 ~ C199 , 16-bit)
409701 ~ 409812	C200 ~ C255	(Current Value of C200 ~ C255 , 32-bit)

※※ 02001 ~ 03912	M0 ~ M1911	(General purpose M Relay)
03913 ~ 04002	M1912 ~ M2001	(Special M Relay)
40001 ~ 43840	R0 ~ R3839	(General purpose R Register)
43841 ~ 43904	R3840 ~ R3903	(Analog Input Register)
43905 ~ 43968	R3904 ~ R3967	(Analog Output Register)
43969 ~ 44168	R3968 ~ R4167	(Special Register)