

# ICM450A PLUS+ MODBUS DATA MAPPING

Discrete Inputs (Read Only)		
Address	Field	Comments
10000	Relay State	0 = off, 1 = on
10001	Ctrl State	0 = off, 1 = on

Input Registers (Read only)		
Address	Field	Comments
30000	HW Rev	
30001	SW Rev	
30002	Line 1 Voltage	0 V - 999 V
30003	Line 2 Voltage	0 V - 999 V
30004	Line 3 Voltage	0 V - 999 V
30005	Load 1 Voltage	0 V - 999 V
30006	Load 2 Voltage	0 V - 999 V
30007	Load 3 Voltage	0 V - 999 V
30008	Line_Voltage	190V - 630V
30009	Delay_On_Break	15 sec - 600 sec
30010	Delay_On_Fault	0 sec - 15 sec
30011	Pct_Over_Voltage	2% - 25%
30012	Pct_Under_Voltage	2% - 25%
30013	Pct_Phase_Unbalance	2% - 20%
30014	Reset_Mode_Retries	0 - 10
30015	Cntrl_Mode	0 = off, 1 = on
30016	Ac_Cal_Factor	-10 V - +10 V
30017	Language	0 = English, 1 = Spanish
30018	Current date	5 bits day   4 bits month   7 bits years since 2020
30019	Current time	Minutes since midnight
30020	RS485 Termination Resistor	0 = no, 1 = yes
30021	Fault 0	Most recent always at 0
30022	Fault 1	
30023	Fault 2	
30024	Fault 3	
30025	Fault 4	
30026	Fault 5	
30027	Fault 6	
30028	Fault 7	
30029	Fault 8	
30030	Fault 9	
30031	Fault 10	
30032	Fault 11	
30033	Fault 12	
30034	Fault 13	
30035	Fault 14	
30036	Fault 15	
30037	Fault 16	
30038	Fault 17	
30039	Fault 18	
30040	Fault 19	
30041	Fault 20	
30042	Fault 21	
30043	Fault 22	
30044	Fault 23	
30045	Fault 24	

Holding registers (Read/Write)		
Address	Field	Comments
40000	Line_Voltage	190V - 630V
40001	Delay_On_Break	15 sec - 600 sec (in 15 sec periods)
40002	Delay_On_Fault	0 sec - 15 sec
40003	Pct_Over_Voltage	2% - 25%
40004	Pct_Under_Voltage	2% - 25%
40005	Pct_Phase_Unbalance	2% - 20%
40006	Reset_Mode_Retries	0 - 10
40007	Cntrl_Mode	0 = off, 1 = on
40008	Ac_Cal_Factor	-10 V - +10 V
40009	Language	0 = English, 1 = Spanish
40010	New date	5 bits day   4 bits month   7 bits years since 2020
40011	New time	Minutes since midnight
40012	RS485 Termination Resistor	0 = no, 1 = yes

