

**DP-53 Register Map Ver 1.00**

1reg = 2bytes (16bit)  
 short int = 16 bit  
 integer = 32 bit  
 long int = 64 bit

Instantaneous Parameter								
Reg Addr (Hex)	Register	(R/W)	Unit	Multiplier	Format	Comment	Reg Byte Count	Reg Addr (Dec)
0000	Reserved				-		2	0
0001	Ampere L1	R	%	0.1	short int		2	1
0002	Ampere L2	R	%	0.1	short int		2	2
0003	Ampere L3	R	%	0.1	short int		2	3
0004	Ampere E	R	%	0.1	short int		2	4
0005	Relay Flag	R	-	-	short int	Real Time Relay Flag	2	5
0006	Current Trip Flag	R	-	-	short int		2	6
0007	Current trip mem L1	R	%	0.1	short int		2	7
0008	Current trip mem L2	R	%	0.1	short int		2	8
0009	Current trip mem L3	R	%	0.1	short int		2	9
000A	Current trip mem E	R	%	0.1	short int		2	10
000B	Reserved				-		4	11
000D	motor hour run	R	min	1	integer		4	13
000F	device operation hour	R	min	1	integer		4	15

Trip Event								
Reg Addr (Hex)	Register	(R/W)	Unit	Multiplier	Format	Comment	Reg Byte Count	Reg Addr (Dec)
0011	trp event status mem b	R	-	-	short int	trpflg for mem b	2	17
0012	trp event mem b-L1	R	%	0.1	short int	trip value L1 for mem b	2	18
0013	trp event mem b-L2	R	%	0.1	short int	trip value L2 for mem b	2	19
0014	trp event mem b-L3	R	%	0.1	short int	trip value L3 for mem b	2	20
0015	trp event mem b-E	R	%	0.1	short int	trip value E for mem b	2	21
0016	trp event status mem c1	R	-	-	short int	trpflg for mem c1	2	22
0017	trp event mem c1-L1	R	%	0.1	short int	trip value L1 for mem c1	2	23
0018	trp event mem c1-L2	R	%	0.1	short int	trip value L2 for mem c1	2	24
0019	trp event mem c1-L3	R	%	0.1	short int	trip value L3 for mem c1	2	25
001A	trp event mem c1-E	R	%	0.1	short int	trip value E for mem c1	2	26
001B	trp event status mem c2	R	-	-	short int	trpflg for mem c2	2	27
001C	trp event mem c2-L1	R	%	0.1	short int	trip value L1 for mem c2	2	28
001D	trp event mem c2-L2	R	%	0.1	short int	trip value L2 for mem c2	2	29
001E	trp event mem c2-L3	R	%	0.1	short int	trip value L3 for mem c2	2	30
001F	trp event mem c2-E	R	%	0.1	short int	trip value E for mem c2	2	31
0020	trp event status mem c3	R	-	-	short int	trpflg for mem c3	2	32
0021	trp event mem c3-L1	R	%	0.1	short int	trip value L1 for mem c3	2	33
0022	trp event mem c3-L2	R	%	0.1	short int	trip value L2 for mem c3	2	34
0023	trp event mem c3-L3	R	%	0.1	short int	trip value L3 for mem c3	2	35
0024	trp event mem c3-E	R	%	0.1	short int	trip value E for mem c3	2	36
0025	trp event status mem c4	R	-	-	short int	trpflg for mem c4	2	37
0026	trp event mem c4-L1	R	%	0.1	short int	trip value L1 for mem c4	2	38
0027	trp event mem c4-L2	R	%	0.1	short int	trip value L2 for mem c4	2	39
0028	trp event mem c4-L3	R	%	0.1	short int	trip value L3 for mem c4	2	40
0029	trp event mem c4-E	R	%	0.1	short int	trip value E for mem c4	2	41
002A	trp event status mem c5	R	-	-	short int	trpflg for mem c5	2	42
002B	trp event mem c5-L1	R	%	0.1	short int	trip value L1 for mem c5	2	43
002C	trp event mem c5-L2	R	%	0.1	short int	trip value L2 for mem c5	2	44
002D	trp event mem c5-L3	R	%	0.1	short int	trip value L3 for mem c5	2	45
002E	trp event mem c5-E	R	%	0.1	short int	trip value E for mem c5	2	46
002F	trp event status mem c6	R	-	-	short int	trpflg for mem c6	2	47
0030	trp event mem c6-L1	R	%	0.1	short int	trip value L1 for mem c6	2	48
0031	trp event mem c6-L2	R	%	0.1	short int	trip value L2 for mem c6	2	49
0032	trp event mem c6-L3	R	%	0.1	short int	trip value L3 for mem c6	2	50
0033	trp event mem c6-E	R	%	0.1	short int	trip value E for mem c6	2	51

Setting Parameter								
Reg Addr (Hex)	Register	(R/W)	Unit	Multiplier	Format	Comment	Reg Byte Count	Reg Addr (Dec)
0F00	model	R	-	-	short int	fixed 0x0053	2	3840
0F01	firmware Ver, Map Ver	R	-	0.01	short int	202, 100	2	3841
0F02	Full Load Current, FLC	R	%	1	short int	10 ~ 200	2	3842
0F03	Thermal Overload Time Constant	R	-	0.1	short int	1 ~ 600	2	3843
0F04	Undercurrent	R	%	1	short int	OFF, 10 ~ 100	2	3844
0F05	Undercurrent Trip Time Delay	R	s	0.1	short int	1 ~ 600	2	3845
0F06	Unbalance	R	%	1	short int	OFF, 5 ~ 50	2	3846
0F07	Unbalance Trip Time Delay	R	s	0.1	short int	1 ~ 600	2	3847
0F08	Stalled Current	R	%	0.1	short int	OFF, 10 ~ 120 x FLC	2	3848
0F09	Stalled Current Trip Time Delay	R	s	0.1	short int	1 ~ 600	2	3849
0F0A	Phase Loss	R	-	1	short int	OFF = 0 or ON = 1	2	3850
0F0B	Phase Sequence	R	-	1	short int	OFF = 0 or ON = 1	2	3851
0F0C	Earth Fault	R	%	1	short int	OFF, 5 ~ 100	2	3852
0F0D	Earth Fault Trip Time Delay	R	s	0.1	short int	1 ~ 600	2	3853
0F0E	General	R	-	-	short int	Relay Function Setting	2	3854

