DP-10 Register Map Ver 1.01

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	R	mA	1	short int		2	1
0002	Reserved				-		2	2
0003	Relay Flag , Trip Flag	R	-	-	short int	current trp flg, rlyflg	2	3
0004	Current trip mem	R	mA	1	short int		2	4
0005	last trp elapse	R	sec	1	integer		4	5
0007	Reserved				-		4	7
0009	operation hour	R	min	1	integer		4	9

Trip Event

000B	trp event status mem b	R	-	-	short int	trip flag for mem b	2	11
000C	trp event mem b	R	mA	1	short int	trip value mem b	2	12
000D	trp event status mem c1	R	-	-	short int	trip flag for mem c1	2	13
000E	trp event mem c1	R	mA	1	short int	trip value mem c1	2	14
000F	trp event status mem c2	R	-	-	short int	trip flag for mem c2	2	15
0010	trp event mem c2	R	mA	1	short int	trip value mem c2	2	16
0011	trp event status mem c3	R	-	-	short int	trip flag for mem c3	2	17
0012	trp event mem c3	R	mA	1	short int	trip value mem c3	2	18
0013	trp event status mem c4	R	-	-	short int	trip flag for mem c4	2	19
0014	trp event mem c4	R	mA	1	short int	trip value mem c4	2	20
0015	trp event status mem c5	R	-	-	short int	trip flag for mem c5	2	21
0016	trp event mem c5	R	mA	1	short int	trip value mem c5	2	22
0017	trp event status mem c6	R	-	-	short int	trip flag for mem c6	2	23
0018	trp event mem c6	R	mA	1	short int	trip value mem c6	2	24

Fault Event

0019	fault event mem E1	R	mA	1	short int		2	25
001A	fault event mem E2	R	mA	1	short int		2	26
001B	fault event mem E3	R	mA	1	short int		2	27
001C	fault event mem E4	R	mA	1	short int		2	28

Zct Status (Only for firmware version of 2.06 and above)

001D	zct connection status	R	-	-	short int	0 = Normal, 1 = ZCT Error	2	29

Setting Parameter

0F00	model	R	-	-	short int	fixed 0x0010	2	3840
0F01	firmware Ver, Map Ver	R	-	0.01	short int	206, 101	2	3841
0F02	Ie >	R	mA	1	short int	30 ~ 30,000	2	3842
0F03	Reserved				-		2	3843
0F04	t >	R	s	0.01	short int	3 ~ 2000	2	3844
0F05	Ie >>	R	mA	1	short int	OFF = 0 or 100 ~ 30,000	2	3845
0F06	t >>	R	s	0.01	short int	fixed 3	2	3846
0F07	General	R	-	-	short int	Relay Function Setting	2	3847

Relay flag

bit15	bit14	bit13	bit12	bit11	bit10	bit9	bit8
hi_trp	lo_trp	trip	fault	Reserved		k2	k1

Trip flag

bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
hi_e	lo_e	Reserved					
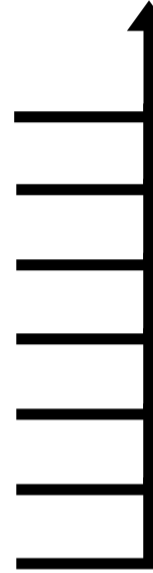
General High Byte

bit15	bit14	bit13	bit12	bit11	bit10	bit9	bit8
Reserved							ZCT Detection 0 = Off, 1 = Auto

General Low Byte

bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
Frequency Setting	Software Lock Setting	Standby Mode	K1 Latch Mode	K2 Latch Mode	K2 Programmable Mode		
0 = 50 Hz, 1 = 60 Hz	0 = Off, 1 = On	0 = Off, 1 = On	0 = Lc, 1 = nLc	0 = Lc, 1 = nLc	000 = CbF, 001 = A50, 010 = A90, 011 = trP, 100 = LFS, 101 = HFS, 110 = AFS, 111 = dUF		