MEP Auto / Remote Starter Kit

Manual Supplement for Generator MEP 805B/806B Set

ONLY FOR GENSET's with the Latest Software Rev. 3 on CIM!



This Manual Supplements the MEP 002/003 Auto Starter Manual.

This supplement will show only the wiring and the DIP Switch Functions for the 805B/806B

Generator-set

The Autostarter Board KIT for the 805B/806B is the same as for the 002A/003A

Except that the 805B version has a different Software loaded!

The 805B/806B Software affects/changes the following functions / Terminal Nomenclature:

- Dip Switch Functions, Settings and Timing
- 2. Different Connections between the Board and the Cubicle
- 3. No external Contactor needed [utilizing internal K1 Contactor]]
- 4. No Pre Heat No Ether Injection
- 5. Fault Reset for 3 seconds
- 6. No ambient temperature dependent timing
- 7. Oil Pressure Input is connected to Relay K15 Terminal B and will stop Cranking the Engine when this Input goes low. Maximum Crank Time is 15 seconds - if engine RPM Sensor does not detect a running engine within 15seconds then the unit will go into fault mode indicated by a blinking LED AUX Fuel. Reset by pulling the DC Breaker on your Genset for about 5 seconds.
- 8. A 4 Second Field Flash to provide proper flashing of Generator once Generator comes out of the Start / Crank Phase.

All other instructions from the MEP 002A/003A Manual apply for these Gen Sets as well

DIP Switch Settings 805B/806B					
DIP SWITCH	Function	DIP SWITCH ON POSITION	DIP SWITCH OFF POSITION		
1	AUX FUEL	ON	OFF		
2	Warm Up	see table below	see table below		
3	Cool Down	see table below	see table below		
4	N/A	N/A	N/A		
5	N/A	N/A	N/A		

Warm Up and Cool Down Time	DIP SW2 OFF + DIP SW3 OFF	DIP SW2 ON + DIP SW3 OFF	DIP SW2 OFF + DIP SW3 ON	DIP SW2 ON + DIP SW3 ON
Warm Up:	1 min (60 sec)	5 min (300 sec)	1 min (60 sec)	5 min (300 sec)
Cool Down:	4 min (240 sec)	12 min (720 sec)	12 min (720 sec)	30 min (1800 sec)

Connections (I/O Descriptions) 805B/806B			
I/O Terminal Block	Function		
TB #1 OV Supply:	Ground (0V)		
TB #2 +24 VDC Supply :	+ 24 VDC Supply		
TB #3 Remote Start INPUT:	Remote Start [Active High]		
TB #4 Oil Pressure / Heat INPUT:	Start Disconnect [Crank Termination] [Active Low]		
TB #5 Pre Heat RELAYS OUTPUT:	FAULT CLEAR [3 seconds ON] [Active High +24 VDC]		
TB #6 RUN / PRIME RELAYS OUTPUT:	Run / Prime [Active High +24 VDC]		
TB #7 AUX FUEL RELAYS OUTPUT:	Aux Fuel [Active High +24 VDC]		
TB #8 START RELAYS OUTPUT:	Start [Active High +24 VDC]		
TB #9 Power On COM RELAYS OUTPUT:	COM contact of Relay		
TB #10 Power On N/O RELAYS OUTPUT:	Normally Open contact of Relay		

From	То	
Control Cubicle Terminal Board TB 6 and Switch S1, S4, S5	Autostarter TB Label, Number	
Chassis - TB 6 Terminal 1/1A	0V / GND TB# 1	
Switch S 1 Terminal 3	+24 VDC TB# 2	
Please see Installation Manual MEP002A /003A	Remote Start TB #3	
Relay K15 Terminal B	Start / Crank Stop TB# 4	
Switch S 4 Terminal 1	Fault Reset TB# 5	
Switch S 1 Terminal 4, 6, 8	Run / Prime TB# 6	
Switch S 1 Terminal 5	AUX Fuel TB# 7	
Switch S 1 Terminal 7	Start TB# 8	
Jumper to TB#2 +24V on Auto Start Board	Power On TB# 9	
Switch S 5 Terminal 1	Power On TB# 10	
Switch S1 = Start - Run - Stop Switch; Switch S4 = Fault Reset Switch; Switch S5 = AC Circuit Interrupter Switch All 3 switches are located on the front panel of the control c	ubicle	