

# 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:

1. 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

<b>Warm Up and Cool Down Time</b>	DIP SW2 <b>OFF</b> + DIP SW3 <b>OFF</b>	DIP SW2 <b>ON</b> + DIP SW3 <b>OFF</b>	DIP SW2 <b>OFF</b> + DIP SW3 <b>ON</b>	DIP SW2 <b>ON</b> + DIP SW3 <b>ON</b>
<b>Warm Up:</b>	1 min (60 sec)	5 min (300 sec)	1 min (60 sec)	5 min (300 sec)
<b>Cool Down:</b>	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

