JTP-105 AUTOMATIC MAINS FAILURE UNIT USER'S GUIDE

1. How to Enter Program Menu

Press OFF buton. While OFF button is pressed press MENU buton simultenously for 4 seconds, until display shows Pr. Now JTP-105 is in programming mode.

2. How to Change Parameters

When PARAMETERS MENU is printed on the screen press MENU button once. Parameters on the first screen are printed on the display. First Parameter is selected.
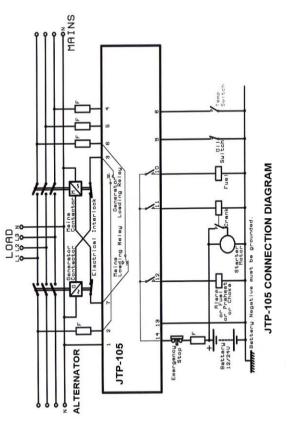
3. Wiring the Unit

WARNINIG: Device is not FUSED.
Use external fuses for Mains Phase Inputs, Generator Phase Input and Battery (+) terminal.
Place fuses as close as possible to the device.
Use 6A current rating fuses.
ALWAYS DISCONNECT THE POWER BEFORE MAKING CONNECTIONS!

JTP-105 CONNECTION DIAGRAM

TECHNICAL SPECIFICATIONS

MAINS VOLTAGE	300V (L - N)
MAINS FREQUENCY	50/60Hz
POWER SYSTEM TYPE	TN or TT
ALTERNATOR VOLTAGE	277V (L - N)
ALTERNATOR FREQUENCY	0 – 100 Hz
MEASUREMENT CATEGORY	CAT II
DC SUPPLY	8 – 32 VDC / 4 – 32 VDC WHILE CRANKING
CURRENT CONSUMPTION	200 mA DC MAX.
RELAY CURRENT RATINGS	10A 28VDC / 10A 250VAC
OPERATING TEMPERATURE	- 20 / + 70 C
STORAGE TEMPERATURE	- 30 / + 80 C
MAXIMUM HUMIDITY	% 95 non-condensing
DIMENSIONS	72 x 72 x 57 mm.
MOUNTING CUTOUT	68 x 68
WEIGHT	---
ACCURACY	% 2 +1V / + 0.1Hz
CASE MATERIAL	Non Flamable V0 Material

P17 Value	Aux Relay Function	Fuel Relay Function	Oil Input Type
00	Alarm	Activate Before Start	Oil Pressure Switch
01	Fuel (Activate to Stop)	Activate Before Start	Oil Pressure Switch
02	Preheat	Activate Before Start	Oil Pressure Switch
03	Choke	Activate Before Start	Oil Pressure Switch
04	Alarm	Activate Before Start	Oil Level Switch
05	Fuel (Activate to Stop)	Activate Before Start	Oil Level Switch
06	Preheat	Activate Before Start	Oil Level Switch
07	Choke	Activate Before Start	Oil Level Switch
08	Alarm	Activate to Stop	Oil Pressure Switch
09	Fuel (Activate to Stop)	Activate to Stop	Oil Pressure Switch
10	Preheat	Activate to Stop	Oil Pressure Switch
11	Choke	Activate to Stop	Oil Pressure Switch
12	Alarm	Activate to Stop	Oil Level Switch
13	Fuel (Activate to Stop)	Activate to Stop	Oil Level Switch
14	Preheat	Activate to Stop	Oil Level Switch
15	Choke	Activate to Stop	Oil Level Switch

PGM	PROGRAM NAME	UNIT	DEFAULT	MIN	MAX
P01	Mains Voltage Lower Limit	Volt	170	30	250
P02	Mains Voltage Upper Limit	Volt	270	100	400
P03	Gen Voltage Lower Limit	Volt	170	30	250
P04	Gen Voltage Upper Limit	Volt	270	100	400
P05	Frequency Lower Limit	Hz	45	10	60
P06	Frequency Upper Limit	Hz	57	50	100
P07	Frequency Delay Time	Sec	3	0	15
P08	Number of Start Attempts	-	3	1	6
P09	Wait Before Start Time	Sec	3	0	240
P10	Time Between Starts	Sec	10	2	30
P11	Start Timer	Sec	10	2	15
P12	Stop Timer	Sec	0	0	60
P13	Mains Wait Time	Min	0.5	0	15
P14	Cooling Time	Min	1	0	15
P15	Mains Contactor Time	Sec	1	0	15
P16	Gen Contactor Time	Sec	4	0	240
P17	Relay and Oil Sensor Config	-	0	0	15
P18	Wait Before Fuel	Sec	0	0	15
P19	Generator Run Time	Hour	0	0	24
P20	Generator Wait Time	Hour	0	0	24
P21	Choke Time	Sec	0	0	60
P22	Remote/Liquid Level Select	-	0	0	1
P23	Service Time Limiter	Hour	0	0	9999

Note: P19 and P20 should be used together. Motor runs for P19 Hours and Waits for P20 hours.