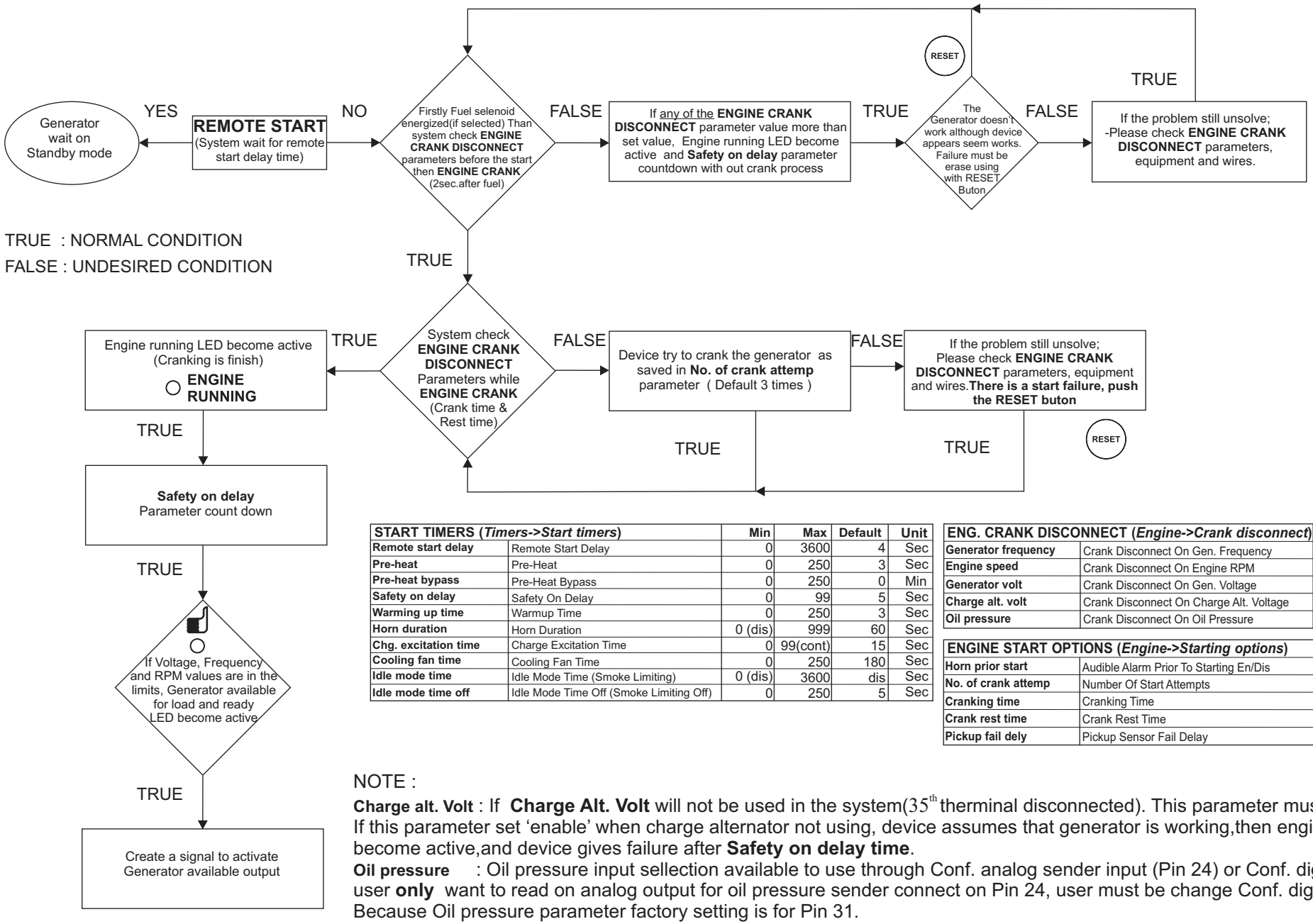
TRANS AUTO STARTING SEQUENCE (AUTO MODE)



START TIMERS (*Timers->Start timers*)		Min	Max	Default	Unit
Remote start delay	Remote Start Delay	0	3600	4	Sec
Pre-heat	Pre-Heat	0	250	3	Sec
Pre-heat bypass	Pre-Heat Bypass	0	250	0	Min
Safety on delay	Safety On Delay	0	99	5	Sec
Warming up time	Warmup Time	0	250	3	Sec
Horn duration	Horn Duration	0 (dis)	999	60	Sec
Chg. excitation time	Charge Excitation Time	0	99(cont)	15	Sec
Cooling fan time	Cooling Fan Time	0	250	180	Sec
Idle mode time	Idle Mode Time (Smoke Limiting)	0 (dis)	3600	dis	Sec
Idle mode time off	Idle Mode Time Off (Smoke Limiting Off)	0	250	5	Sec

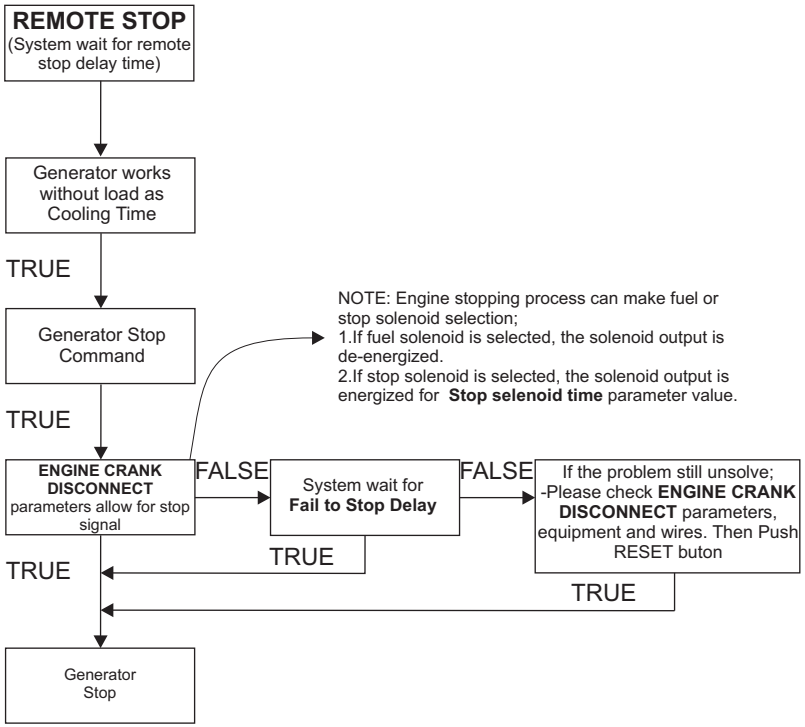
ENG. CRANK DISCONNECT (*Engine->Crank disconnect*)		Min	Max	Default	Unit
Generator frequency	Crank Disconnect On Gen. Frequency	10.0	75.0	30.0	Hz
Engine speed	Crank Disconnect On Engine RPM	100	6000	500	RPM
Generator volt	Crank Disconnect On Gen. Voltage	60 (dis)	600	300	V~
Charge alt. volt	Crank Disconnect On Charge Alt. Voltage	6.0 (dis)	30.0	dis	V⎓
Oil pressure	Crank Disconnect On Oil Pressure	1.0 (dis)	30.0	dis	BAR

ENGINE START OPTIONS (*Engine->Starting options*)		Min	Max	Default	Unit
Horn prior start	Audible Alarm Prior To Starting En/Dis	ENABL/DISBL		DISBL	
No. of crank attemp	Number Of Start Attempts	1	10	3	
Cranking time	Cranking Time	1	99	5	Sec
Crank rest time	Crank Rest Time	5	99	10	Sec
Pickup fail dely	Pickup Sensor Fail Delay	0.1	10.0	1.0	Sec

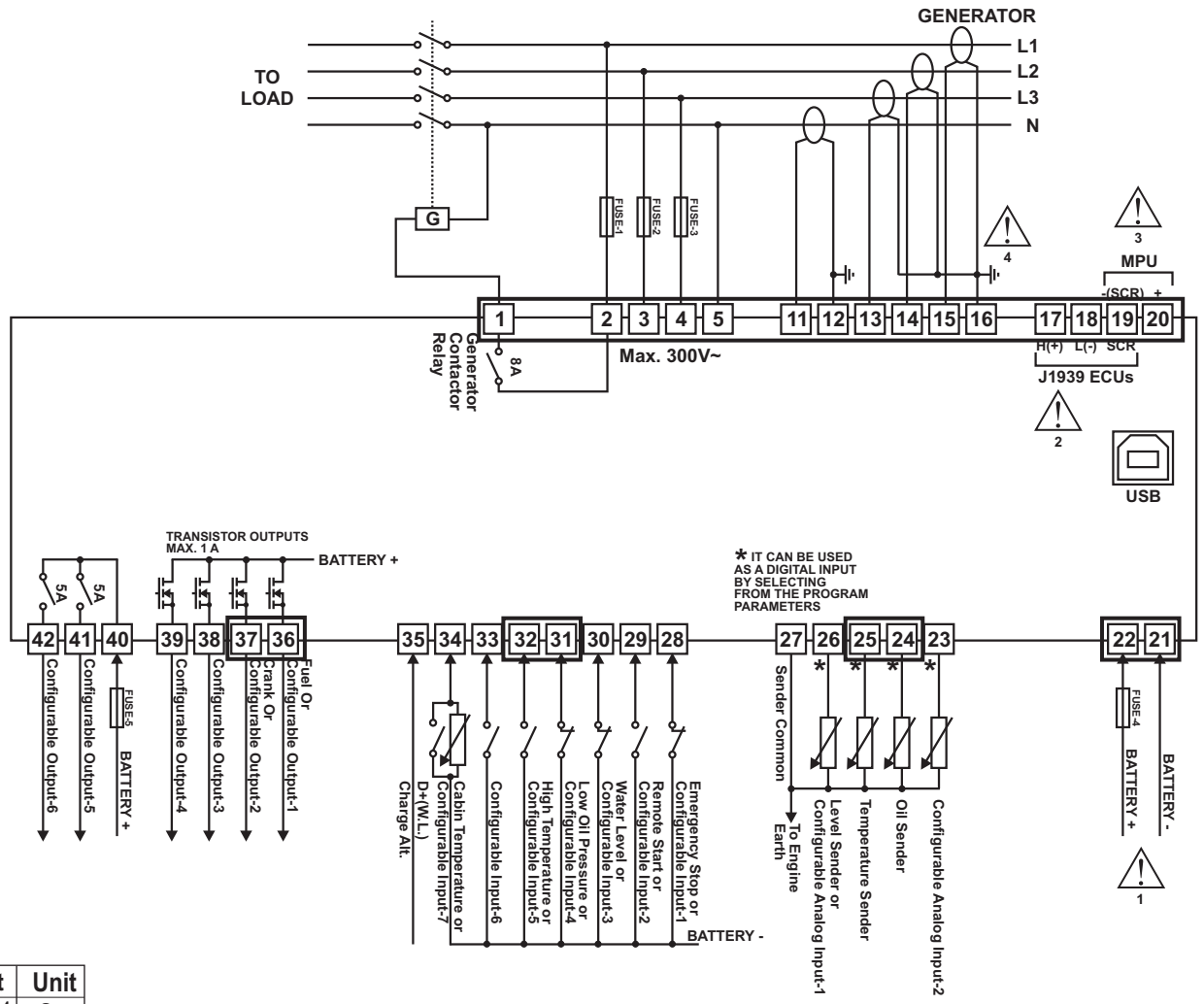
NOTE :

Charge alt. Volt : If **Charge Alt. Volt** will not be used in the system(35^{th} therminal disconnected). This parameter must be 'disable'. If this parameter set 'enable' when charge alternator not using, device assumes that generator is working,then engine running LED become active,and device gives failure after **Safety on delay time**.

Oil pressure : Oil pressure input sellection available to use through Conf. analog sender input (Pin 24) or Conf. digital input-4 (Pin 31). If user **only** want to read on analog output for oil pressure sender connect on Pin 24, user must be change Conf. digital input-4 parameter. Because Oil pressure parameter factory setting is for Pin 31.



TRANS-AUTO three phase connections schematic



STOPPING TIMERS (*Timers->Stopping timers*)		Min	Max	Default	Unit
Remote stop delay	Remote Stop Delay	0	250	4	Sec
Cooling time	Cooling Time	0 (dis)	3600	60	Sec
Fail to stop delay	Fail To Stop Time	15	99	30	Sec

FUSE-1, FUSE-2, FUSE-3 2A. T / FUSE-4 6A. T / FUSE-5 Max. 10A. T

USER MUST BE CONNECT MARKED TERMINALS !