



ADyI

ADVANCED DYNAMO INDUSTRIES, INC.

19425 SW 89TH AVE
TUALATIN, OR 97062
PHONE: (503)692-5995
FAX: (503)885-0417
EMAIL: SALES@ADVANCEDDYNAMO.COM
INFO@ADVANCEDDYNAMO.COM
SERVICE@ADVANCEDDYNAMO.COM

ADVANCED DYNAMO 416 GENSET CONTROL BOX OPERATION INSTRUCTIONS

TO OPERATE: (Vehicle fuel tank must be more than ¼ full to operate generator)

- 1. TURN ON 12V POWER :** **UP** for Start/Stop, Remote & Diagnostic functions
CENTER for OFF
DOWN for Start/Stop in no-power-draw, stand-by mode
- 2. USE MOMENTARY FAN TEST SWITCH (LOWEST):** TO CONFIRM PRIMAY (UP) & SECONDARY (DOWN) COOLING FAN FUNCTION
- 3. TO START/STOP:** PUSH (CENTER) BUTTON FOR ONE SECOND
- 4. END OF DAY:** TURN 12V POWER SWITCH TO "OFF" (CENTER POSITION).

NOTE: Automatic fan circuit will activate regardless of 12V master switch position!

#1 – 12V MASTER
3 Position Selector Switch

Battery Power On Light

#2 – Push Start
#3 – Push Stop

Engine Running Light

Latching Relay Reset

Primary & Secondary Fan Toggle Test Switch

Fan Test Lights

ECM (Computer) Malfunction Indicator Light

Engine Malfunction Light
STEADY: WARNING!!
FLASHING: Diagnostic Code

12V Alternator No-Output Indicator Light
Should be **ON** until engine starts or Power Switch is **OFF**

AC INDICATOR LIGHTS:

AC Power Output After Breaker: OK

AC Power to Main Breaker: OK

AC Voltage Regulator

4 Amp Resettable Breaker for AC Voltage Regulator

50, 60, 70 Amp, 3 Pole AC Main Breaker or Remote Breaker

ELECTRONIC TACHOMETER / FUNCTION DISPLAY:
Push & **Hold** to Display Error Codes / Messages MIL/DTC's (Engine Diagnostic Codes)

0. (default) Engine Hours

- Total Hours (permanent)
- Oil Change Hours (hold 5 Sec to reset)

Push & **Release** to Scroll

- Error Codes (nominal: 0)
- RPMs: 1800 (1500 @ 50 Hz)
- Engine Coolant Temp
- Battery Voltage (>12.5VDC)
- Oil Pressure PSI
- Air Intake Temperature
- Engine Torque %