

# Residential Generator Set Accessories

## KOHLER POWER SYSTEMS Advanced Digital Control

**ISO 9001**  
KOHLER  
POWER SYSTEMS  
NATIONALLY REGISTERED



### Specifications

- Environmental specifications:
  - Operating temperature: -30°C to 70°C (-22°F to 158°F)
  - Storage temperature: -40°C to 85°C (-40°F to 185°F)
  - Humidity: 5-95% non-condensing
- Power requirements:
  - 12 VDC with fuse protection
  - 250 mA @ 12 VDC

### System Features

- Controller integrally mounted to the generator set
- Remote two-wire start/stop capability
- Digital isochronous governor to maintain steady-state speed at all loads
- Digital voltage regulation:  $\pm 1.5\%$  RMS no-load to full-load
- Automatic start with programmed cranking cycle
- Field-upgradeable application software
- Front-access DB9 connector for software upgrade (on the junction box)
- Generator set master switch (Run/Off-Reset/Auto) (on the junction box)

### Applicable Models

- 8.5RES\*
- 12RES\*
- 17RES

\* Pending release

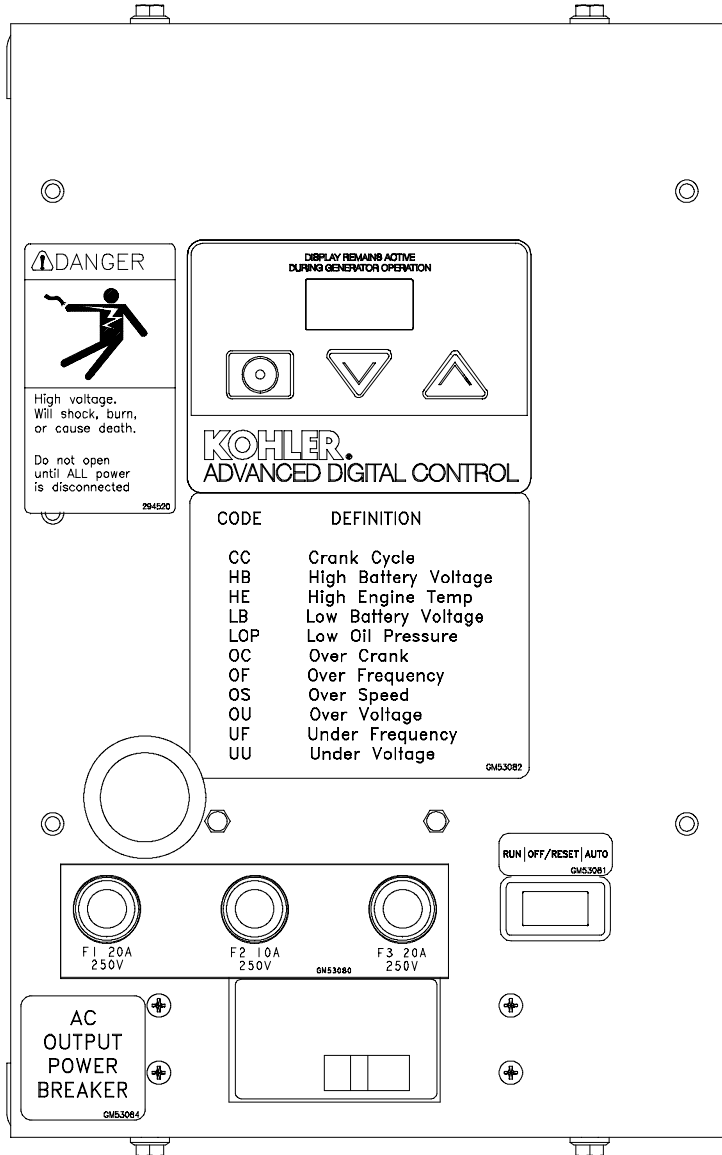
### Standard Features

- Advanced Digital Control (ADC-RES) is designed for today's most sophisticated electronics
- Electronic speed control responds quickly to varying household demand
- Digital voltage regulation protects your sensitive electronics from harmonic distortion and unstable power quality
- Membrane keypad:
  - Arrow keys step through generator set status displays
  - Password-protected access to system configuration and adjustment menus
  - System voltage/frequency selection and engine configuration
  - Voltage, gain, and engine speed adjustment
- LED display:
  - Engine runtime, hours
  - Output voltage, VAC
  - Output frequency, Hz
  - Battery voltage, VDC
  - Crank cycle status
  - Setup information
  - Software version
  - Faults
- Faults displayed:
  - High battery voltage
  - High engine temperature
  - Low battery voltage
  - Low oil pressure
  - Overcrank
  - Overfrequency
  - Overspeed
  - Overvoltage
  - Underfrequency
  - Undervoltage

### Accessories

- Relay kit, includes auxiliary run relay and common fault relay

## Controls Mounted on Generator Set Junction Box, Typical



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