

# H-100 Control Panel



## DESCRIPTION

- Digital controls for all safety shutdowns
- Isochronous governor control built in
- Sealed Digital Circuit Board
- 2 Amp static battery charger
- Mates with HTS transfer switch

## STANDARD FEATURES

The H-100 Control Panel is a digital microprocessor electronic controller that integrates all engine and transfer switch functions into a single control system.

Two 4 line x 20 displays

Full system status

3 phase sensing voltage regulator

Remote ports

- RS232

- RS485

- Canbus

Water proof connections

All engine sensors are 4-20 ma for minimal interference

Built in PLC

In addition, the generator set parameters can be manipulated and monitored without standing in front of the control panel with GenLink® software. The Generac H-100 control also monitors and controls transfer switch functions when used with the HTS Transfer Switch.

Monitors utility voltage

Monitors generator voltage

Timer for line interrupt delay

Timer for engine warmup

Timer for minimum engine run time

Timer for return to utility position

Timer for engine cooldown

Built in exerciser timer (7 day)

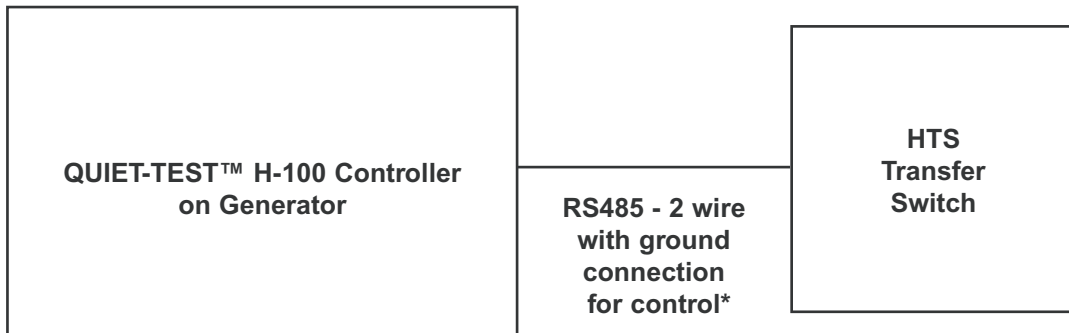
Additional 2 wire start controls



# FEATURES

- Full range stand-by operation
- Full system status
  - 3 phase AC volts
  - 3 phase amps
  - kW
  - Power factor
  - Reactive power
  - Oil pressure
  - Water temperature
  - Water level
  - Oil temperature (optional)
  - Fuel pressure
  - Engine speed
  - Battery voltage
  - Alternator frequency
  - Time
  - Date
  - Transfer switch status
  - Run hours
  - Service reminders
  - Trending
  - Fault history (alarm log)
  - I<sup>2</sup>t function for full generator protection
  - Built in PLC for special applications
- Shutdowns
  - Overvoltage
  - Overspeed
  - Low oil pressure
  - High coolant temperature
  - Low coolant level
- Remote communication
  - RS232
  - Optional modem
  - Canbus
- Complies with NFPA Level 2
- Programmable auto crank
- Emergency Stop
- On Off Manual Switch
- Not in Auto flashing light
- Audible alarm for fault condition
- Transfer switch logic communicates with HTS transfer switch
- Weekly exerciser (programmable)
- Selectable Low speed exercise
- Digital voltage regulator with 3 phase sensing (3 phase units)
- Isochronous governor
- Waterproof electrical connectors
- Temperature Range -40° to 70° C

# TYPICAL CONTROL CONNECTION



**\*Ground wire is routed between generator and transfer switch, but is terminated only in H-100 Controller on generator. See interconnection diagram on spec sheet and guidelines within owner's manuals.**