

# CP620 CANplus® SERIES CONTROL PANEL

## FOR ELECTRONICALLY GOVERNED ENGINES

The LOFA CP620 Series Panel is a durable and economical, user-friendly control panel that minimizes operator training and confusion and simplifies operator based emission system management. In addition to providing a clear, concise display of J1939 diagnostic codes and emission icons, it features industry-familiar red and amber LED indication of alarm and/or warning conditions. Plus, all of the panel's parameters can be changed in minutes in the field without a laptop and the settings can be password protected.

### CP620 FEATURES

- Heavy-duty, weather and corrosion-resistant enclosure constructed of powder coated galvanneal
- Compact integrated mounting bracket with 3-point vibration isolation
- Intuitive display interface with user-friendly configuration menu
- Industry standard 21-Pin weather proof connector
- Reverse polarity protection
- Alternator excitation circuit with diode
- Heavy-duty IP64 key switch with booted key
- Key switch features mechanical lock-out to prevent re-start attempts when engine is running
- Ramp throttle adjustment via momentary rocker switch
- Compatible with all current worldwide emissions regulations

### CP620 DISPLAY FEATURES

- Large 4.3" (diagonal) IP67 LCD displays SAE J1939 parameters and diagnostics
- High contrast display readable in bright sunlight
- Backlight allows reading display in total darkness
- PIN protection available for added security
- 11 language support
- Configurable display units (US/Metric)
- Active alarms displayed in clear language
- User selectable gauge layout; up to 16 gauges
- 5 tactile function buttons
- 16 service timers
- Configuration via display:
  - engine idle speed
  - min/max rpm (when enabled in menu)



CP620

### CP620 CANplus® SUITE/CONFIGURATION

- Ability to create and save application specific configuration files
- Quickly create custom splash screens from graphics files
- Provides additional configuration parameters not available via display
- Facilitates convenient and efficient firmware updates
- Software feature enhancement updates downloadable from LOFA website



Engine harness connection on the CP620 is made via a 21-pin connector mounted on the bottom of the panel

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## EMISSIONS MANAGEMENT PROVISIONS

- Simplified exhaust emission controls manage Tier IV engine emission systems, as applicable, for DOC, DPF and SCR systems
- Rocker switches available for external operator control of regen/inhibit/interlock requirements, engine specific
- Menu only control of "Inhibit" function available, engine specific

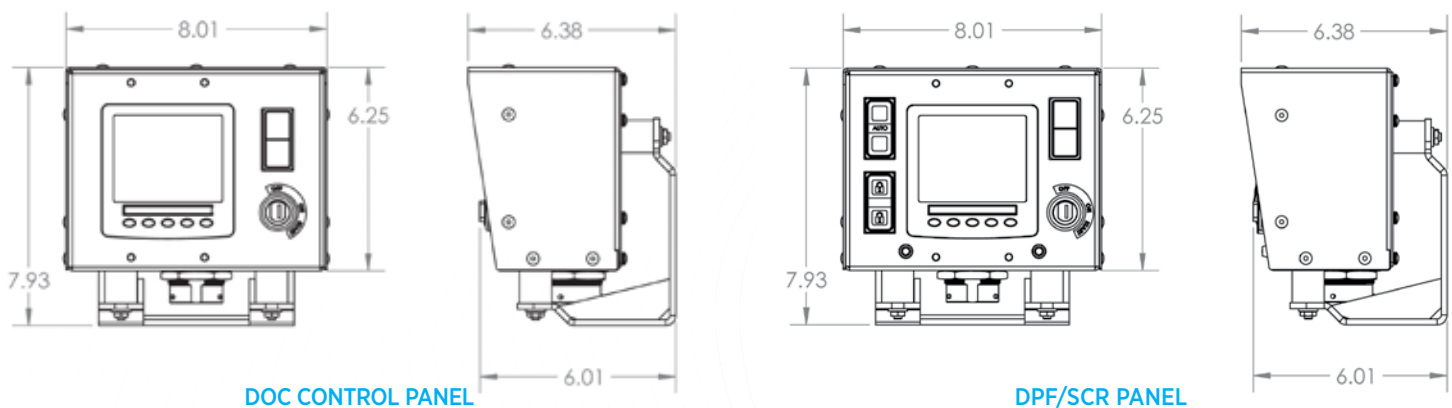
## CP620 OPTIONS

- Low temperature display
- Custom colors and labeling
- Plug-and-play harnesses
- Digital rotary throttle
- 2 or 3-state throttle switch
- CANbus nodes to facilitate analog sensor inputs
- Keyless lever ignition switch
- **CP620 Modular Series Kit** (for customized installation)
  - I/O Board housed in a Deutsch weatherproof enclosure for remote mounting
  - Large 4.3" LCD display (See "CP620 Display Features" above for details)
  - Custom wiring to connect display, I/O board, Rocker Switches, LEDs, Key-Switch, etc.
  - Engine emission management functions as required

## CP620 SERIES WARRANTY

- 2 Year Limited Warranty

## CP620 SERIES DIMENSIONS



DOC CONTROL PANEL

DPF/SCR PANEL

## CP620 SPECIFICATIONS

Voltage - System Nominal	10-28 VDC
Standby Current	140 mA @ 13.5V; 70 mA @ 26V
Operating Temperature	-13F TO 158F (-25C TO 70C)
Operating Temperature (cold weather version)	-40F TO 167F (-40C TO 75C)
Reverse Polarity Protection	YES
Starter Relay Required	YES
CANBus Standard	SAE J1939 (CANBUS 2.0B)

### MODEL DESIGNATION FOR ENGINE EMISSION SYSTEM TYPES

- **DOC** For engines with only a (DOC) Diesel Oxidation Catalyst
- **DPF** For engines with a (DPF) Diesel Particulate Filter and require customer input for emission inhibit/regeneration
- **SCR** For engines with (SCR) Selective Catalytic Reduction



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