



M154PDS Display



M154P00 Kit of Parts



M154P10 8X7 Panel



M154P20 NEMA 4x

The M154P or “Pro” Series is specifically designed for the latest Tier IV engine applications with and without after treatment. Standard features include: an intuitive user interface, 3 auxiliary inputs, 2 analog inputs for “oil pressure” and “fuel level”, an audible alarm output and external engine shutdown.

With a full featured J1939 interface the M154P series panels provide a complete interface for almost any SAE J1939 T4F data. The M154P provides the most features in the price range.

The 3.5” graphical high resolution color display provides an easy to read viewing area for either a single or quad display. The display comes with the SW tools and instructions to create your own Splash Screen at startup.

#### SINGLE DISPLAY with DEF LEVEL BAR GRAPH



#### QUAD DISPLAY with SOFTKEYS



#### STANDARD

- 3.5” 320x240 Color Graphical Display
- Sunlight Viewable
- Adjustable backlighting
- 5 buttons provide easy navigation through software screens
- Audible and Visual alarms
- Tier 3, 4, 4i and 4F Ready
- Engine Maintenance Timers
- Configurable engine speed limits
- Configurable Inc/Dec or 2-State throttle switch
- SAE J1939 TSC1 throttle control
- SAE J1939 Diagnostic Trouble Codes (DTC)
- Engine Manufacturer Specific DTCs
- Shutdown on User Configurable DTC Faults
- External Engine Shutdown
- Configurable analog input for oil pressure
- Configurable analog input for fuel level
- 3 configurable discrete inputs ( Start Protect, Engine Stop, Engine Speed)
- Multi Language Support
- Custom Alarms

#### OPTIONAL M300DP MODULE

- Auto Start
- Expansion Unit supports 2 Analog (3 Wire)
- 2 configurable discrete inputs ( Float Inputs)

#### MOUNTED IN PANEL & ENCLOSURE

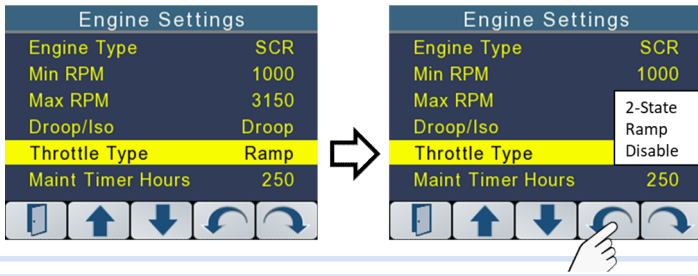
- Sealed Keyswitch 4 Position
- Throttle Switch
- Sealed 21 pin Interface connector
- Black powder-coated enclosure or NEMA 4X

Intuitive pop-up softkeys make it easy to operate, view alarms/warnings and navigate through setup menus.

# M154P Series for T4F with No After Treatment

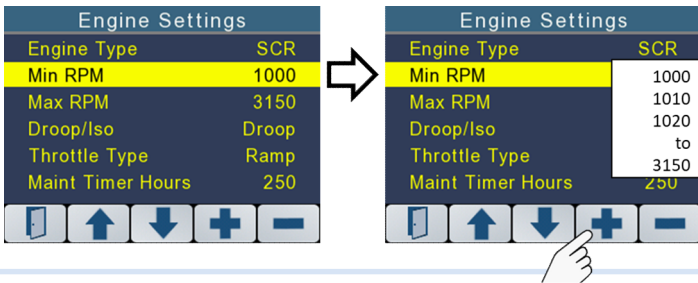
## THROTTLE CONTROL

A single momentary rocker switch adjusts the engine speed. The throttle functionality is user selectable allowing the rocker switch to provide a smooth ramp function or a fixed rpm 2-State setting.



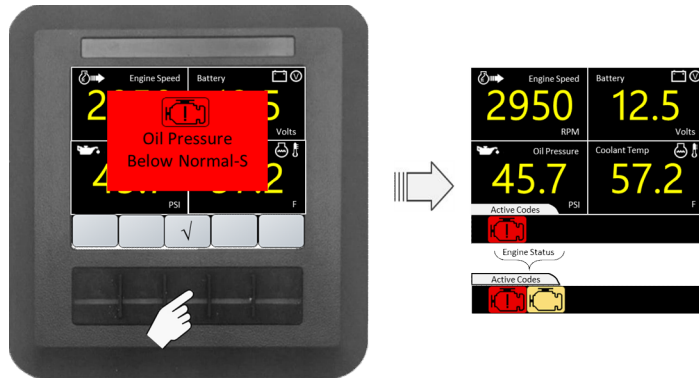
## CONFIGURABLE ENGINE SPEED LIMITS

The M154P Series Controller provides the user with two configurable engine speed settings. These speed settings can be set to any engine rpm within the min and max rpm range of the engine. One speed setting for minimum engine speed (i.e. Min RPM) and the other speed setting for maximum engine speed (i.e. engine Max RPM).



## FAULTS AND OPERATOR NOTIFICATION

When the ECU reports an active DM1 or DM12 diagnostic message, a pop up window will display the fault in plain English which makes it easy for the operator to report the problem. Once the operator acknowledges the fault by pressing the button below the "v", the Alarm icon will remain along the bottom of the screen.



## ALARM SHUTDOWN

The M154P controller allows the operator to enter up to six Engine DTC codes that will shutdown the engine when they occur.

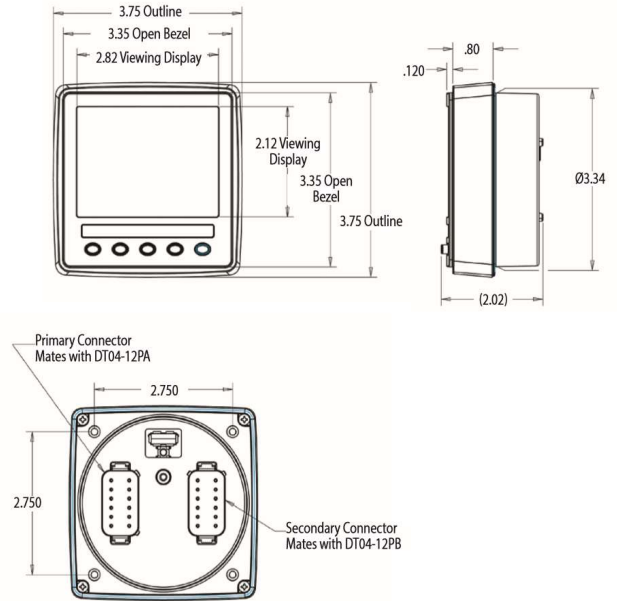


## MAINTENANCE TIMER

User configurable maintenance timer. When programmed, system provides warning message when maintenance timer has expired.

## ENCLOSURE

All M154P Series Control Panels are made from .074 steel with welded seams. All units are powder coated to provide durability under extreme conditions. The M154P15 series panels provide 5 – 2 1/16" gauge opening to allow a choice of expansion gauges including traditional switch gauges.



## M154P SPECIFICATIONS

### GENERAL

Operating Voltage ..... 10 VDC to 32 VDC  
 Operating Temperature ..... -40C to 70C  
 Storage Temperature ..... -40C to 80C  
 Reverse Polarity Protection ..... Yes  
 Power Consumption GE / VE Series ..... 90mA

### THROTTLE CONFIGURATION

Ramp - operate within engine range  
 Two State – Set two operating speeds

### INPUTS

Analog Inputs ..... 2

- Configurable for Fuel Level:
  - 240 to 33 ohms (US)
  - 10 to 180 ohms (EURO)
- Configurable for Oil Pressure:
  - 10 to 180 ohms (0 – 5 BAR)
  - 10 to 180 ohms (0-10 BAR)

Digital Inputs ..... 3

• Configurable Mode, Solid State Switch to Ground

External Engine Shutdown

• Solid State Switch to Ground

Alarm Output

• Solid State Switch to Ground