

M154 series

Diesel Engine Control Panels

for Tier 4, Tier 4i, T4F, Stage V Engines

B10 Series



B00 Series



B20 Series



STANDARD FEATURES

- 2.3" Monochrome Graphical LCD display
- Adjustable backlighting
- 3 buttons provide easy navigation through software screens
- Tier 4, 4i, 4F, Stage V
- 1 Engine Maintenance Timer
- User configurable engine speed limits
- Visual alarms
- Inc/Dec or 2-State throttle switch
- SAE J1939 TSC1 throttle control
- SAE J1939 Diagnostic Trouble Codes (DTC)
- Engine Manufacturer Specific DTCs
- External Engine Shutdown
- Engine Shutdown on User Configurable DTC Faults
- Multi Language Support
- Custom Alarms

OPTIONAL I/O EXPANSION MODULE

- Auto Start
- Configurable analog input for oil
- Configurable analog input for fuel
- 2 configurable discrete inputs (Start Protect, Engine Stop, Engine Speed)

MECHANICAL

- Sealed Keyswitch 4 Position
- Throttle Switch
- CE Approved design
- Sealed 21 pin Interface connector
- Black powder-coated enclosure or Flat Panel: 8 X 7 or NEMA 4X
- Kit of Parts available with out panel

P10 Series



P00 Series



P20 Series



STANDARD FEATURES

- 3.5" 320x240 Color Graphical Display
- Sunlight Viewable
- Adjustable backlighting
- 5 buttons provide easy navigation through software screens
- Tier 4, 4i, 4F, Stage V
- 9 Engine Maintenance Timers
- User configurable engine speed limits
- Audible and Visual alarms
- Ramp, 2-State or 4-State throttle Control
- SAE J1939 TSC1 throttle control
- SAE J1939 Diagnostic Trouble Codes (DTC)
- Engine Manufacturer Specific DTCs
- Engine 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 I/O EXPANSION MODULE

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

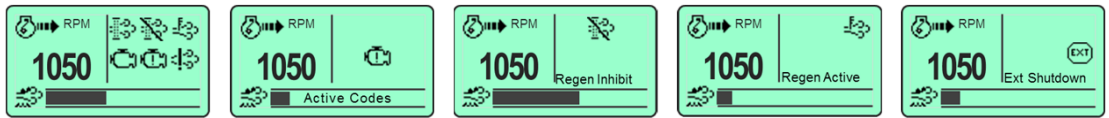
MECHANICAL

- Sealed Keyswitch 4 Position
- Throttle Switch
- Sealed 21 pin Interface connector
- Black powder-coated enclosure or Flat Panel: 8 X 7 or NEMA 4X
- Kit of Parts available with out panel

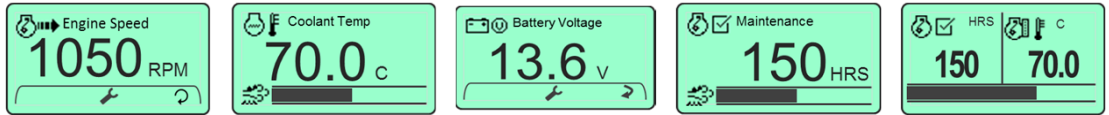


The M154B or "Basic" Series provides Programmable Throttle States such as (Ramp, 2-State, 4-State and Disable), Engine Data, DTC Faults (Active and Stored Alarms), Programmable Engine shutdown, External Engine Shutdown and Easy Guide On Screen instructions for T4F DPF or SCR regenerations. The 2.3" high resolution LCD display presents the data reported by the Engine in either a single or dual display format.

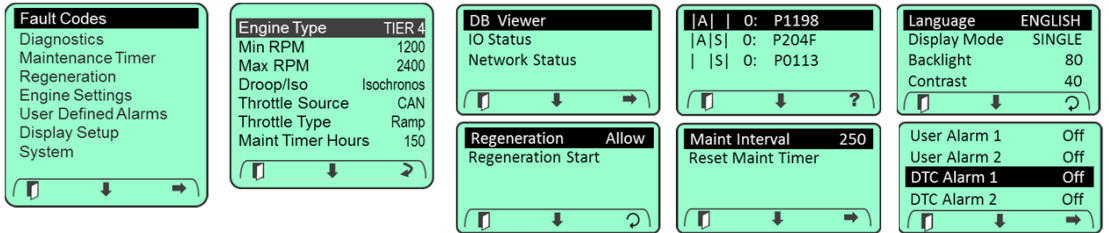
Fault /Warning Displays



Data Displays

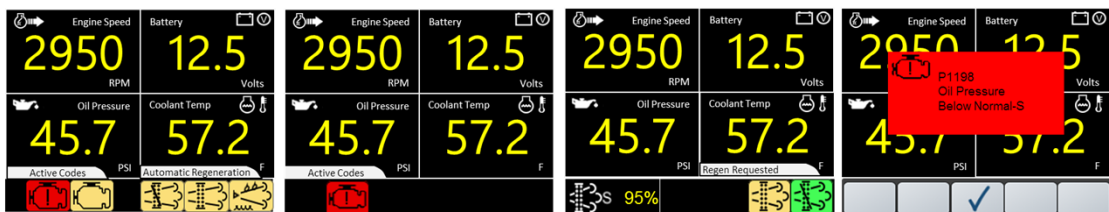


Menus

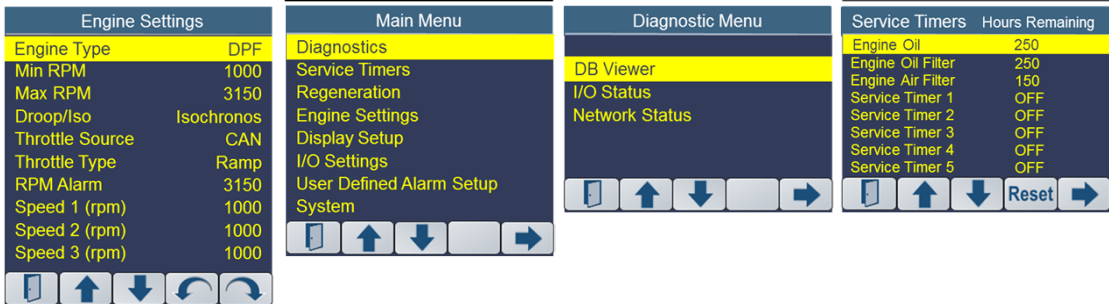
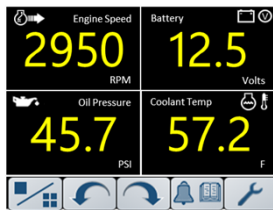


The M154P or "Pro" Series combines an intuitive color user interface with lots of I/O to provide the ideal solution for the latest T4F engines. In addition to the features provided in the B Series Panel new features include: 3 auxiliary inputs, 2 analog inputs for "oil pressure" and "fuel level", 10 programmable service timers, 5 DTC shutdown alarms, 3 User Defined Alarms, Passcode programmability an audible alarm output and external engine shutdown. Auxiliary inputs can be programmed for: "Start Inhibit (N.O.)", "Start Inhibit (N.C.)", "Stop (N.O.)", "Stop (N.C.)", "Speed 1", "Speed 2", "Speed 3", "Throttle Increase", "Throttle Decrease".

Fault /Warning Data Displays



Menus



About MBW Technologies

MBW Technologies, LLC (MBW) is a designer and manufacturer of Marine and Industrial Control Systems, specializing in CANBus communications, T4F/Stage V Engine Controls w/Regeneration, Programmable Engine Shutdown, Engine Specific Diagnostic Trouble Codes (DTC) and Optional Autostart Capabilities.

MBW's team will help you convert existing systems or customize new systems with MBW products and solutions...

Mechanical Services: 2D panel drawings, 3D modeling and fabrication & prototype assemblies.

Electrical Services: Machine and extension harnesses, power control, fusing, relays, heaters and grounding.

Software Services: CANBus, User Interface, T4F Regeneration, Diagnostic Trouble Codes, Engine Simulators.

Documentation Services: Operator Manuals, Service Manuals and Quick Reference Guides.