

## CONTROLS

# New CANbus Engine Control Panels Introduced



One of two new engine panels introduced by LOFA Industries is the CANplus 750 (left). The panel is a universal automatic start/stop platform, which can be used for both electronically and mechanically governed engines. The other new panel, the CANplus 600 (right), is designed to provide quad-gauge viewing with a choice of up to 16 gauge readings.

**L**OFA Industries Inc., Atlanta, Ga., has announced two new electronically controlled engine panels utilizing J1939 CANbus protocol. The panels are targeted for a wide range of off-highway and industrial equipment applications, including OEM-built distributor-packaged equipment. The new CANplus 600 and CANplus 750 panels began production at the end of August.

Billed by LOFA as “user-friendly, easy-to-operate, plug-n-play” control panels, each features a large LCD display. The displays can be custom configured in the field to show pertinent information in the form of analog gauge instruments or digital readouts. Both panels provide specific flexibility options, including telemetry, via the wireless remote monitoring capabilities.

The CANplus 600 provides quad-gauge viewing with a choice of up to 16 gauge readings. This panel features a heavy-duty IP64 key switch


and an IP67 rocker-type throttle switch, housed in a NEMA 4X polycarbonate enclosure with a clear, lockable door.

The CANplus 750 has the same features as the CANplus 600, plus other options. The panel is a universal automatic start/stop platform, which can be used for both electronically and mechanically governed engines. This auto start/stop platform utilizes simultaneous float and/or transducer inputs, providing redundant start/stop capabilities.

The CANplus 750 also has several different throttle options, the most unique being LOFA’s rotary digital throttle control with push-to-set speed limits. The panel offers optional built-in wireless telemetry communication via LOFA’s Messenger module.

The embedded Messenger allows the equipment owner to remotely monitor engine-specific parameters, alarm conditions, as well as GPS mapping information. In the event of equipment

malfunctions, equipment owners and end users can be quickly notified from the web via computer-generated voice-prompted phone messages, text messages and/or e-mail, sent to a list of pre-determined phone numbers and e-mail addresses.

“These products were developed in response to customer feedback in order to meet the future needs of Tier 2 and Tier 3 electronically governed engine requirements,” said Peter Herbrand, founder and president of LOFA Industries. 

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# New Suspended Pedals From Tuthill



Tuthill Controls Group recently augmented its range of suspended foot pedal systems for mobile equipment applications with the introduction of three new TCS series pedals.

**T**uthill Controls Group, the New Haven, Ind., manufacturer of cables, linkages and complete mechanical control assemblies for mobile equipment applications, recently augmented its range of suspended foot pedal systems with the introduction of three new models to its TCS product line. The TCS3, TCS4 and TCS7 suspended pedals are targeted toward diesel and gasoline-powered vehicles and equipment, typically serving as throttle pedals, accelerator pedals and brake pedals in trucks, buses, construction equipment, farm machinery and material handling equipment.

The new suspended pedals all incorporate a noncontact angular displacement sensor designed to be easily incorporated into virtually any type of vehicle. The sensor provides a full range of output with small angular movements and can provide a wide range of signal outputs, the company said. Tuthill also said it is compatible with most electronic engine management systems and could also be customized to meet specific customer or application requirements.

The suspended pedal systems are built to withstand the demands of harsh equipment operating, offering high shock and vibration resistance along with an operating temperature range of -40° to 185°F.

Tuthill Controls provides both mechanical and electronic controls to OEM markets including aviation, performance racing, military, lawn and garden, construction equipment, farm equipment, industrial machinery and HVAC equipment, as well as aftermarket parts applications. **dp**

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