

CAN CONNECTIVITY

Configurable in-cabin keypads

The latest two- and six-button keypad additions to Series 09 family from EAO are approved for E1 applications in interiors of heavy-duty and special vehicles. They come with CAN connectivity.



The keypads come with a choice of CAN connection or hard-wired variants and feature IP5K4 front protection (Source: EAO)

Developed in accordance with the demanding IATF 16949 automotive quality standard EAO's latest two- and six-pushbutton Series 09 keypads feature a modular design suitable for E1 operation in heavy duty in-cabin vehicular applications, explained the company. The in-cabin six pushbutton keypads are available in Super, Plus, and Basic variants, differing only in terms of illumination options and the communication interface. All three variants are available with CAN connectivity and feature application-specific configuration options for both the button illumination and the communication interfaces. Customers can customize the keypads due to a variety of illumination options and interchangeable ISO 7000 or custom symbols. CANopen (CiA 401) and J1939 are supported.

The company also offers the Basic product in a two-button format that is suitable for use as a replacement for conventional rocker switches in applications that call for an ultra-compact double switch located remote from the primary control panel, they explained. Application areas for the keypads include both the classic HMI (human-machine interface) inside a vehicle, such as switching headlights on/off and operating the windscreen wipers, as well as application-specific switching in special vehicles.

According to EAO Marketing Manager Robert Davies, workstations in heavy-duty and special vehicles, as well applications within a driver's personal space, present increasingly demanding requirements in terms of the useability, safety, functionality, and reliability, and in the design of their operating systems: "Advanced technologies such as CAN connectivity are growing in importance in heavy-duty and special vehicles, a trend that EAO technologists have reflected in the latest additions to the Series 09 family", Davies said. "The new Series 09 keypads feature impressive application-specific configuration options for the illumination and the communication interfaces as well as the flexibility needed to make a customized selection and arrangement of the symbols".

The products come with a programmable RGB halo ring and symbol illumination which can be controlled separately. The keypads can be combined with one another on a modular basis. According to the company, low installation depth and a choice of quick-action snap-in or screw mounting ensures straightforward installation within the HMI, in either vertical or horizontal alignment.

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