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Space-saving Remote I/O

The proven LB/FB system from Pepperl+Fuchs offers the highest possible degree of flexibility due to its large number of I/O modules, which also allows a wider variety of applications to be implemented. In addition, their multi-channel capability gives them a high packing density. This packing density has been further increased with the development of new analog input/output modules.

Increased Packing Density

The new I/O modules have up to four analog inputs and outputs, and are now thinner, measuring just 20 mm wide compared with 40 mm previously. This smaller size doubles the packing density, making the remote I/O stations more cost-effective. Pepperl+Fuchs was able to reduce the size by improving power management, which also significantly reduces power loss. Heat build-up in the control cabinet remains within normal levels, so environmental conditions do not adversely affect the reliability and service life of the modules are not adversely affected. The new modules can replace the old ones with no change to the configuration.

Greater Functionality

A diagnostic LED for each input/output is an improved feature of the new modules. The status of the respective inputs and outputs can be directly read for diagnostic purposes. The HART communication interface has been redesigned and made more robust.

One for All

In addition to the new modules, an extremely flexible module is available that has both analog and digital I/O. This module permits the addressing of 2-wire transmitters, low power solenoids, proportional valves, and mechanical contacts. During commissioning, it can be configured according to the application. The configuration is indicated by a white LED. In addition, a diagnostic LED signals the status of each input/output.

Fig. 1: Universal module with four analog or digital inputs and outputs

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