LISTEN. THINK. SOLVE.®

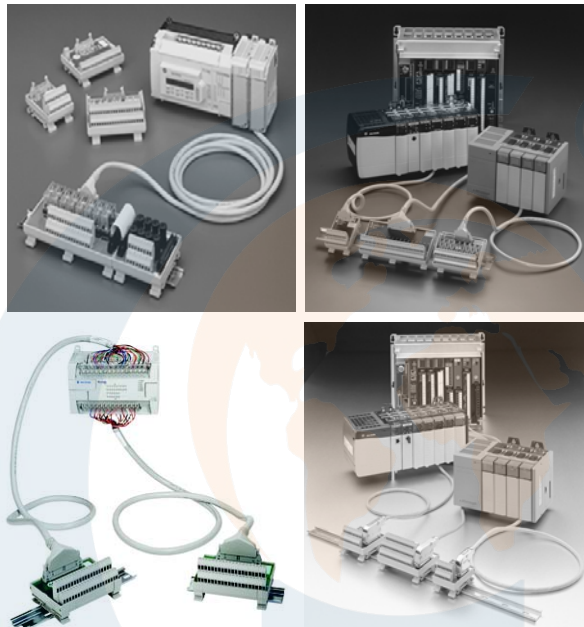# BULLETIN 1492

Digital/Analog Programmable Controller Wiring Systems

Bulletin 1492 Digital and Analog Wiring Systems

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Allen-Bradley • Rockwell Software

Rockwell Automation

Allen-Bradley

Description

Connecting to Allen-Bradley PLC I/O is fast, convenient, and reliable with the Allen-Bradley Bul. 1492 wiring system. Unlike conventional terminal blocks, the Bul. 1492 wiring system connects to digital, analog, and high speed counter PLC I/O modules through pre-wired and pre-tested cables. The Bulletin 1492 wiring systems are compatible with modular I/O modules for Bulletin 1756 ControlLogix, 1769 CompactLogix, 1746 SLC 500, and 1771 PLC-5. A select group of wiring system modules are also compatible with the base I/O of the MicroLogix 1200 (40 I/O base only) and 1500 packaged controllers, plus the PowerFlex 700H and 700S drives. In addition, wiring system solutions are available for 1794 Flex I/O through the Flex D-shell type base modules, 1794-TB37DS and 1794-TB62DS. The interface modules are mounted onto a standard DIN #3 Rail. Pre-printed adhesive label cards containing field-wiring information are included for each interface module and I/O module combination.

Benefits

Reduced Wiring Time

PLC I/O module to field device wiring is completed in a fraction of the time when Bulletin 1492 wiring systems are used as compared with the traditional method of wiring each point to the PLC I/O swing arm and field-side terminal blocks. Pre-wired cables are factory-wired to the I/O wiring arm on one end and a connector for the Interface Module (IFM) on the other. IFMs enhance the capability of the I/O systems with added terminations, field-side LED status indicators, isolation circuits, overcurrent protection, and higher amp outputs. Both standard and specific build to order length cables are available, providing the correct length for any panel in a neat, space-efficient wiring solution.

Reduced Wiring Errors

Wiring system cables are pre-tested to ensure 100% accurate connections and eliminate the need for point-to-point checking of wiring—no more crossed wires and loose connections between the I/O module and the terminal block. Even one error in wiring 128 I/O points in a point-to-point system may require a complete check of the wiring. Wiring errors can take several minutes or hours to track down and correct before the panel is ready for startup.

When IFMs and cables are snapped in place, they fit every time — no need to find the wrong or loose connection, resulting in a much higher rate of success at system startup.

Faster Troubleshooting and Easier Maintenance

Normal terminal blocks can't offer the benefits of Bulletin 1492 wiring systems, such as LED indication on each I/O point. Wiring systems improve system startup and ease troubleshooting and maintenance. Diagnostic capabilities in the form of fuses, blown fuse indication, and field-side ON-