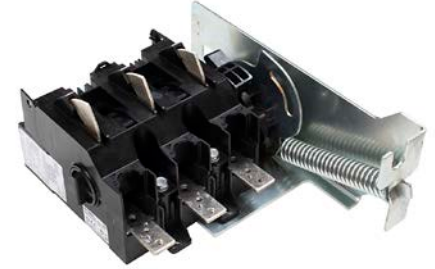


1494U – Larger Size Universal Visible-Blade Disconnect Switch

Features and Benefits:

- Now available in 200, 400 and 600 A sizes
- Configure easily with modular design and accessories
- Optimize panel location with highly flexible cable operator
- Save panel space with multiport lugs
- Reduce cost with aluminum lugs and direct mountable fusing (J-type)
- Deploy anywhere with global certifications



Description:

Now users with higher current applications—through 600 A—can take advantage of the Allen-Bradley® 1494 universal visible-blade disconnect switch. This switch provides customers the extra level of visual ON or OFF indication of a knife-blade disconnect design. The switch addresses the needs across industries with a global customer base by providing UL, CSA, CE and CCC ratings in one product line.

Available for Sale: November 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

42AF RightSight™ M30 Photoelectric Sensors

Features and Benefits:

- Robust right angle housing with 30 mm threaded nose and universal 18 mm threaded base for maximum installation flexibility
- 360-degree highly visible status indicators
- DC only and Universal (AC/DC) available models
- Dual Auto PNP/NPN helps streamline inventory by reducing the number of SKUs to stock
- Transmitted Beam (80 m) and Polarized Retroreflective (10 m) Sensing Modes
- Embedded IO-Link 1.1 communications protocol offered in all sensing modes enables customers to access enhanced diagnostic feature
- Firmware update and embedded IODD ready
- IP67, 1,200 PSI and IP69k rated enclosure



Description:

The 42AF RightSight™ M30 family of photoelectric sensors offers long range and high-performance general-purpose sensing in a robust, easy to install flexible mounting package. These sensors are ideal for applications where simplified installation and maintenance are required. RightSight™ M30 sensors can be mounted against a surface or can be installed using the threaded 18 mm base mounting options.

Designed to withstand the rigors of food processing and material handling environments, the RightSight™ M30 standard models can withstand repeated 1200 psi and IP69K high-pressure washdowns.

Available for Sale: January 2019

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

45DMS Distance Measurement Sensor

Features and Benefits:

- Embedded IO-Link communication protocol helps minimize downtime and increase productivity
- Class 1 Eye Safe Laser helps alignment and installation
- Ideal for precision distance measurements
- Sensing ranges:
 - 60 mm...5 m (2.36 in. ...16.40 ft) 90% white paper
 - 50 mm...3 m (1.97 in. ... 9.84 ft) 6% black
- Accuracy:
 - ± 30 mm (± 1.18 in.) Linearity
 - ± 5 mm (± 0.197 in.) Repeatability
 - ± 1 mm (± 0.039 in.) Resolution
- 3-in-1 Sensing Mode can be easily interchanged in one unit for Distance Measurements, Background Suppression and Background reflection
- IP67 and IP69k rated enclosure for use in harsh environments



Description:

The new Allen-Bradley® 45DMS Distance Measurement Sensor from Rockwell Automation is ideal for precise distance measurement of targets. It features IO-Link functionality for enhanced diagnostics and linkage to The Connected Enterprise.

Available for Sale: September 30, 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

46CLR ColorSight™

Features and Benefits:

- Sensing models address your needs:
 - Glare Suppression –18...32 mm
 - Small Spot Size–18...60 mm
 - Long Range–20...150 mm
- Patent-pending distance correction technology delivers consistent color detection of up to ranges of 65 mm
- Internal storage of up to seven colors when operating in color match mode and unlimited colors by using IO-Link when connected to CompactLogix™ controllers
- Access true RGB color value using IO-Link when connected information can be accessed through IO-Link
- 3 Discrete Outputs with Auto PNP/NPN
- IP67 and IP69 zinc die cast enclosure



Description:

The new Allen-Bradley® 46CLR True Color Sensor from Rockwell Automation is a high-performance color sensing solution. The sensor features patent pending distance correction technology that delivers consistent color detection at ranges up to 65 mm. Additional features include internal storage of up to seven colors when operating in color match mode, and embedded IO-Link functionality for enhanced diagnostics and linkage to The Connected Enterprise.

Available for Sale: February 2019

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

46DFA Fiber-Optic Amplifier

Features and Benefits:

- Dual high visibility displays provide configuration and operation feedback that simplify sensor setup, operation and maintenance
- Economy display mode reduces amplifier power consumption by 25%
- Teachable LED intensity provides added flexibility in applications where there's a need to detect clear or transparent objects
- Fast-response output using pin 2 when connected using IO-Link enables continuous sensor monitoring
- Fast response speeds of 50 μ s, 65 μ s, 500 μ s, 4 ms, and 32 ms allows operators easy adaptation of the sensor response time
- Selectable PNP and NPN output using push button simplifies inventory
- Embedded IO-Link 1.1 Communication protocol is offered in all standard modes
- IP40 rated enclosure



Description:

The new Allen-Bradley® 46DFA fiber-optic Amplifier from Rockwell Automation features two high-visibility displays that make this sensor easier to set up, operate and maintain when compared to previous Rockwell Automation and competitive offerings. Embedded IO-Link functionality offers enhanced diagnostics and linkage to The Connected Enterprise.

Available for Sale: February 2019

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

48CR Code Reader

Features and Benefits:

- Smallest Allen-Bradley® industrial reader with EtherNet/IP:
44.45 mm (1.75 in) x 25.4 mm (1.00 in) x 44.45 mm (1.75 in)
- High-end performance in a compact design
- Provides clear, high-speed scanning on 1D/2D codes
(Including difficult DPM (Direct Part Marked) codes)
- 1.2 MP resolution available
- 0.050...1.0 m range (lens and target dependent)
- 16-LED integrated illumination (white and red)
- Simple setup button
- Connectors:
 - Power and I/O – M12 x 8
 - Ethernet – M12 x 4



Description:

The Allen-Bradley® 48CR with EtherNet/IP is a compact, high-performance code reader capable of solving simple label decodes and difficult low contrast DPM decodes. The 48CR easily scans 1D/2D codes with high-speed accuracy in automotive and general manufacturing environments. The 48CR features include 1.2 MP resolution, 0.050...1.0 m range, 16-LED integrated illumination, simple setup button, and status indicators.

Available for Sale: January 2019



Learn more! Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

Bulletin 1560F/1562F Medium Voltage Soft Start Controller

Features and Benefits:

- Offers enhanced modes of operations to meet various application needs
 - 10 starting modes of operation
 - 4 stopping modes of operation
- Uses integral motor winding heater (Starting Feature)
- Includes torque control start
- Equipped with pump Control Mode
- Features advanced diagnostic and metering functionality
 - Motor and Controller Protection
 - Power and Energy Monitoring
 - Trending and Performance Diagnostics
 - “Snap Shot” Diagnostics
 - Fault and Alarm Event Logs
- Offers built-in Set-up / Commissioning Wizard
- Features autotuning



Description:

Bulletin 1560/1562F, the next generation Medium voltage soft start controller features SMC™-50 Advanced smart motor control module. This controller is designed for customer flexibility, offering a distinct differentiation in market through its flexible modes of operation and advanced diagnostic capabilities.

Available for Sale: January 2019

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

ClearMark™ Advanced Terminal Block Printer

Features and Benefits:

- The ClearMark™ Advanced marking system offers flexibility by printing on marker cards that can be used on terminal blocks, wires, cables and other industrial components
- Speed - It takes less than 2 minutes to print and cure a full marker card
- Runs on easy to use ClearTools™ software
- High quality: 600 dpi or 1200 dpi
- Capable of color printing
- Ideal for High Volume Marking
 - Greater than 50 marker cards per week
 - Use 3–5 days a week
- Can print on either full or half-sized marker cards
- Integrated cleaning solution helps prevent print head clogs



Description:

We offer multiple marking solutions for industrial equipment, wires, and terminal blocks. The ClearMultiprint™ marking system is designed for many types of users that require high-speed printing, no drying time, and a compact footprint. The ClearPlot™ marking system is robust and flexible enough to allow partial marking on cards or up to three cards at a time for low to medium volume uses. This launch adds an advanced printer for high-volume terminal block users.

Available for Sale: January 2019

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

Control Tower™ 856T Tower Lights

Features and Benefits:

- Able to monitor critical conditions of the machine in one signaling device – seven circuits available
- Offers more reliable performance in tough environmental conditions
 - IP66/67 ingress rating
 - Extended operating temperature range (-30°...+70 °C)
- Easier selection thanks to a reduced number of components
- Minimized installation and setup time
 - Easy wire termination (Push-in terminal blocks or M12 quick disconnect bases)
 - Internal DIP switches to select module output or function
- Multiple audible choices to complement the visual indication
- Available for purchase as separate components or as pre-configured, factory-assembled stack lights for optimal flexibility



Description:

Our Bulletin 856T Control Tower™ Stack Light signaling system features a proven, modular construction design incorporating bright LED illumination and a broad offering of sound technologies all in a 70 mm diameter housing. All signals in the system are 24V AC/DC powered, which means that just three power modules can cover the entire system. This new design allows the 856T to meet the widest range of signaling applications with a reduced number of components without compromising functionality and flexibility.

Available for Sale: July 5, 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

E300™ Electronic Overload Relay

Features and Benefits:

- Includes intelligent motor control (EtherNet/IP and DeviceNet enabled)
- Offers a scalable solution
- Provides diagnostic information
- Includes integrated I/O
- Provides adjustable trip class 5...30
- Offers wide current range
- Includes Test/Reset button
- Offers programmable trip and warning settings
- Includes true RMS current/voltage sensing (50/60 Hz)
- Provides protection for single- and three-phase motors
- Offers customization with Communication, Control or Sensing Modules



Description:

The Allen-Bradley® Bulletin 193/592 E300™ Electronic Overload Relays offer a flexible design, simplified wiring, and seamless Logix integration. Real-time diagnostics are transformed into actionable information that can maximize your uptime and help protect your assets.

Available for Sale: July 29, 2018 (Module B available November 2018)

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

GuardShield™ 450L-E Advanced Light Curtain

Features and Benefits:

- Extended features and functionality from the 450L-B such as cascading, built-in muting and blanking
- Embedded functions configured quickly and easily via DIP switches or software, significantly reducing engineering effort
 - Muting, blanking, start mode, external device monitoring (EDM), scanning range
- Enhanced Integrated Laser Alignment System for quick installation and more reliable operation
- Active protective field provides sensing over the entire length of a transceiver
- Compact design 30 mm x 30 mm (1.18 in. x 1.18 in.)
- Wide range of protection heights 150...1950 mm (5.9...76.7 in.)
- IP65 enclosure rating
- TÜV certified Type 4 IEC 61496-1/-2, PLe, SIL CL3 per EN ISO 13849-1, IEC 62061



Description:

The Allen-Bradley® GuardShield™ 450L-E Safety Light Curtains from Rockwell Automation are based on a unique patented transceiver technology that allows each stick to be used as a transmitter or as a receiver. The full functionality of a transceiver is provided by plug-ins inserted at the bottom of the sticks. By using only one stick type with the optimal plug-ins selected based on the requirements of the application, the GuardShield™ 450 L portfolio is a simple, cost-effective solution that offers enhanced flexibility while maintaining high levels of safety.

Available for Sale: July 30, 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

IntelliCENTER® System Configuration for EtherNet/IP Motor Control Centers

Features and Benefits:

- Automatic firmware update to latest version for all devices
- Enhanced pre-shipment parameter configuration
- Digital download of IntelliCENTER® data for faster Logix integration and integration into IntelliCENTER® Software
- Helps minimize the overall burden of device integration during installation and commissioning



Description:

IntelliCENTER® EtherNet/IP Motor Control Centers (MCCs) are a key component of The Connected Enterprise. MCCs help provide a safer and more reliable and robust package for a networked system of intelligent components. The IntelliCENTER® System Configuration project has changed customer's expectations of EtherNet/IP MCCs. This validated and tested network system now confirms that all intelligent devices have up-to-date firmware, thus simplifying the commissioning effort during installation and startup. In addition, EtherNet/IP MCCs can be delivered with custom parameter configurations on end devices, reducing application integration time. All of this is delivered with best-in-class lead times due to automated innovations in our manufacturing facilities.

Available for Sale: November 2018



Learn more! Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

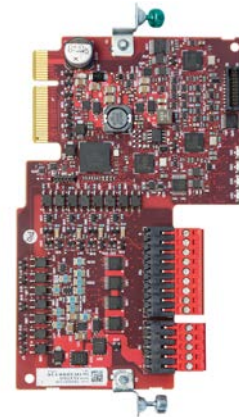
New Safety Option for PowerFlex® 755 and 755T AC Drives



Integrated Safety Functions Option Module

Features and Benefits

- Delivers advanced safety functions for PowerFlex® 755 and PowerFlex® 755TL, 755TR, and 755TM AC drives
- Provides safety via an EtherNet/IP network
- Provides rating up to and including SIL CL3, cat. 4, and PLe
- Safety instructions are based on IEC 61800-5-2. Specific functions: STO, SS1, SLS, SDI, SBC, and SLP; PowerFlex® 755T drives also offer SS2 and SOS
- Requires Studio 5000 Logix Designer® application version 31 or later
- Features four general-purpose safety inputs and two safety outputs that are embedded in the module



20-750-S4 Option Module

Description:

A new integrated safety functions option module provides PowerFlex® 755 and PowerFlex® 755TL, 755TR, and 755TM AC drives with advanced safety on an EtherNet/IP network. Safety instructions are based on IEC 61800-5-2, including ability to monitor speed, direction, and position. Specific functions are: STO (Safe Torque Off), SS1 (Safe Stop 1), SLS (Safely-Limited Speed), SDI (Safe Direction), SBC (Safe Brake Control), and SLP (Safely-Limited Position). PowerFlex® 755T drives also offer SS2 (Safe Stop 2) and SOS (Safe Operating Stop). The Integrated Safety Functions option requires Studio 5000 Logix Designer® version 31 or later and provides safety ratings up to and including SIL CL3, cat. 4 and PLe.

Available for Sale: October 1, 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

PowerFlex® 755T AC Drives Product Line Expansion

Features and Benefits:

- The PowerFlex® 755T family of AC drives for harmonic mitigation, regeneration and common bus solutions is expanding its power ratings. New ranges are:
 - 400...480V: 7.5...3600 kW/10-6000 Hp
 - 600...690V: 10...5100 Hp/11-4500 kW
- Expanded adaptive control capabilities to compensate for variances and help improve uptime
- Additional Predictive Maintenance features provide real-time information about the health of a system to help reduce unplanned downtime.
- New networked advanced safety option supports eight IEC 61800-5-2 safety functions, including ability to monitor speed, direction and position
- Enhanced DeviceLogix™ to program drive functionality without a controller



Description:

The PowerFlex® 755T family of AC drives is expanding its power ratings 10–6000 Hp across our regenerative, common bus and low harmonic drives. Also expanding is our patented TotalFORCE® technology. Enhancements to the TotalFORCE® technology include new Predictive Maintenance features that provide real-time information about the health of a system. These enhancements help reduce unplanned downtime, and expanded adaptive control capabilities that compensate for line side disturbances and help improve uptime. A new advanced safety option module supports eight IEC 61800-5-2 safety functions via an EtherNet/IP network, including ability to monitor speed, direction and position.

Available for Sale: November 16, 2018

 **Learn more!** Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.

Signal Conditioners

Features and Benefits:

NANO Series

Signal Options: Analog, Bipolar, Thermocouple, RTD, Universal

- Space savings – Thin 6 mm profile
- Time savings – Power bus DIN rail makes power supply wiring for each device unnecessary
- Quick configuration – DIP switches on the housing
- High accuracy - up to 0.05%
- High galvanic isolation - 2.5 kV AC
- Fast response <5/<7 ms (>100 Hz signal bandwidth) for analog signals, <30 ms for temperature measurements



SMART Series

Signal Options: Analog, Strain Gauge, Current (through hole/In-line), Voltage, Frequency, Temperature, Universal

- Interactive display to read and configure
- High level of galvanic isolation 2 kV and above
- Up to 0.05% accuracy
- Alarm functions
- Flexible supply voltage
- Universal input options

Description:

The new Allen-Bradley® 931 Signal Conditioners offer a comprehensive solution for your signal conditioning needs. Our new products use state-of-the-art technology to provide optimal signal isolation, conversion and amplification. The new NANO and SMART series provide tremendous space and time savings through improvements made to simplify the configuration and installation process. The products offer high levels of galvanic isolation. The products are certified by c-UL us, CE, ATEX, IECx, FM, KC, and RCM for use by global customers. The portfolio also offers products with Class/Division/Zone ratings for use in hazardous location applications.

Available for Sale: April 2019



Learn more! Visit the **Smart Devices Exhibit (#801)** at the 2018 Automation Fair® event.