



Date: February 25, 2020
 To: Valued Rockwell Automation Customers
 From: Industrial Component Business-Motor Control & Protection Marketing

Subject: E1 Plus Electronic Overload Relay Lifecycle Status Announcement

Rockwell Automation announces that as of April 2021*, the E1 Plus Electronic Overload Relay will be discontinued and no longer available for sale.

To support your transition, we recommend migrating to the E100™ Electronic Overload Relay which will serve as a functional replacement for the E1 Plus component. The E100 is the next generation component in basic-tier electronic overload technology for induction motor protection. This new overload system will offer a multitude of reliable and robust features to provide cost-effective protection for your motor application investments, including (but not limited to) the following:

- State-of-the-Art microprocessor with improved accuracy and repeatability
- Current measurement-based protection with a self-powered design and low heat dissipation
- Same wide current adjustment range of E1 Plus (5:1)
- Basic “EE” Version will support 10/20 adjustable trip classes with manual reset only; Advanced “EF” Version will support 10/15/20/30 adjustable trip classes with automatic or manual reset
- Optional module integration via expansion port for enhanced protection features (i.e. “jam” and ground fault protection-“EF” model only)
- 1 or 3-phase configuration with a single E100 catalog; IEC 0.1A through 100A up to 690V (1000V capable with pass-through design), NEMA Size 00 through 3 up to 600V; Up to 800A using external current transformer configurations (“EF” model only)
- Aesthetics aligned to existing E300/E200 overload products

The E100 product line will also conform to various agency-recognized certifications including (but not limited to) cULus, CSA, CE, ABS, CCC, KC, EAC, RCM, DNV/GL, RINA, China RoHS, and Morocco Regulatory Certification, providing a competitive advantage in the market space for this class of electronic motor overload protection. Impacted products are as follows:

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-ED1AB	E1 Plus 0.1-0.5 A IEC Overload Relay	Apr. 2021	193-1EEAB	E100 0.1-0.5 A Direct Mnt Ovrld Relay	Direct Replacement
193-ED1BB	E1 Plus 0.2-1.0 A IEC Overload Relay	Apr. 2021	193-1EEBB	E100 0.2-1 A Direct Mnt Ovrld Relay	Direct Replacement
193-ED1CB	E1 Plus 1-5 A IEC Overload Relay	Apr. 2021	193-1EECB	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
193-ED1CP	E1 Plus 1-5 A Pass-thru Overload Relay	Apr. 2021	193-1EECP	E100 1-5 A Pass-thru Ovrld Relay	Direct Replacement
193-ED1DB	E1 Plus 3.2-16 A IEC Overload Relay	Apr. 2021	193-1EEDB	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-ED1DP	E1 Plus 3.2-16 A Pass-thru Overload Relay	Apr. 2021	193-1EEDP	E100 3.2-16 A Pass-thru Ovrld Relay	Direct Replacement
193-ED1EB	E1 Plus 5.4-27 A IEC Overload Relay	Apr. 2021	193-1EEEB	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
193-ED1ED	E1 Plus 5.4-27 A Overload Relay	Apr. 2021	193-1EEED	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
193-ED1EP	E1 Plus 5.4-27 A Pass-thru Overload Relay	Apr. 2021	193-1EEEP	E100 5.4-27 A Pass-thru Ovrld Relay	Direct Replacement
193-ED1FD	E1 Plus 9-45 A IEC Overload Relay	Apr. 2021	193-1EEFD	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEAB	E1 Plus 0.1-0.5 A IEC Overload Relay	Apr. 2021	193-1EFAB	E100 0.1-0.5 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEBB	E1 Plus 0.2-1.0 A IEC Overload Relay	Apr. 2021	193-1EFBB	E100 0.2-1 A Direct Mnt Ovrld Relay	Direct Replacement
193-EECB	E1 Plus 1-5 A IEC Overload Relay	Apr. 2021	193-1EFCB	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
193-EECD	E1 Plus 1-5 A IEC Overload Relay	Apr. 2021	193-1EFCP	E100 1-5 A Pass-thru Ovrld Relay	Engineered Replacement
193-EECP	E1 Plus 1-5 A Pass-thru Overload Relay	Apr. 2021	193-1EFCP	E100 1-5 A Pass-thru Ovrld Relay	Direct Replacement
193-EEDB	E1 Plus 3.2-16 A IEC Overload Relay	Apr. 2021	193-1EFDB	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEDD	E1 Plus 3.2-16 A IEC Overload Relay	Apr. 2021	193-1EFDP	E100 3.2-16 A Pass-thru Ovrld Relay	Engineered Replacement
193-EEDP	E1 Plus 3.2-16 A Pass-thru Overload Relay	Apr. 2021	193-1EFDP	E100 3.2-16 A Pass-thru Ovrld Relay	Direct Replacement
193-EEEB	E1 Plus 5.4-27 A IEC Overload Relay	Apr. 2021	193-1EFEB	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEED	E1 Plus 5.4-27 A IEC Overload Relay	Apr. 2021	193-1EFED	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEEE	E1 Plus 5.4-27 A IEC Overload Relay	Apr. 2021	193-1EFEP	E100 5.4-27 A Pass-thru Ovrld Relay	Engineered Replacement
193-EEEP	E1 Plus 5.4-27 A Pass-thru Overload Relay	Apr. 2021	193-1EFEP	E100 5.4-27 A Pass-thru Ovrld Relay	Direct Replacement

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-EEFD	E1 Plus 9-45 A IEC Overload Relay	Apr. 2021	193-1EFFD	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEFE	E1 Plus 9-45 A IEC Overload Relay	Apr. 2021	193-1EFFP	E100 11-55 A Pass-thru Ovrld Relay	Engineered Replacement
193-EEGE	E1 Plus 18-90 A IEC Overload Relay	Apr. 2021	193-1EFGE	E100 20-100 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEGF	E1 Plus 18-90 A IEC Overload Relay (100-D115...D180)	Apr. 2021	193-1EFGP	E100 20-100 A Pass-thru Ovrld Relay	Engineered Replacement
193-EEHF	E1 Plus 30-150 A IEC Overload Relay (100-D115...D180)	Apr. 2021	193-1EFHZ	E100 30-150 A External CT Ovrld Relay	Engineered Replacement
193-EEHJ	E1 Plus 30-150 A IEC Overload Relay (100-E116...E205)	Apr. 2021	193-1EFHZ	E100 30-150 A External CT Ovrld Relay	Engineered Replacement
193-EEHZ	E1 Plus 30-150 A External CT Overload Relay	Apr. 2021	193-1EFHZ	E100 30-150 A External CT Ovrld Relay	Direct Replacement
193-EEJF	E1 Plus 40-200 A IEC Overload Relay (100-D115...D180)	Apr. 2021	193-1EFJZ	E100 40-200 A External CT Ovrld Relay	Engineered Replacement
193-EEJG	E1 Plus 40-200 A IEC Overload Relay (100-D210...D420)	Apr. 2021	193-1EFJZ	E100 40-200 A External CT Ovrld Relay	Engineered Replacement
193-EEJJ	E1 Plus 40-200 A IEC Overload Relay (100-E116...E205)	Apr. 2021	193-1EFJZ	E100 40-200 A External CT Ovrld Relay	Engineered Replacement
193-EEJZ	E1 Plus 40-200 A External CT Overload Relay	Apr. 2021	193-1EFJZ	E100 40-200 A External CT Ovrld Relay	Direct Replacement
193-EEKG	E1 Plus 60-300 A IEC Overload Relay (100-D210...D420)	Apr. 2021	193-1EFKZ	E100 60-300 A External CT Ovrld Relay	Engineered Replacement
193-EEKZ	E1 Plus 60-300 A External CT Overload Relay	Apr. 2021	193-1EFKZ	E100 60-300 A External CT Ovrld Relay	Direct Replacement
193-EELG	E1 Plus 100-500 A IEC Overload Relay (100-D210...D420)	Apr. 2021	193-1EFLZ	E100 100-500A External CT Ovrld Relay	Engineered Replacement
193-EELZ	E1 Plus 100-500 A External CT Overload Relay	Apr. 2021	193-1EFLZ	E100 100-500A External CT Ovrld Relay	Direct Replacement
193-EEMH	E1 Plus 120-600 A Overload Relay (100-D630...D860)	Apr. 2021	193-1EFMZ	E100 120-600A External CT Ovrld Relay	Engineered Replacement
193-EEMZ	E1 Plus 120-600 A External CT Overload Relay	Apr. 2021	193-1EFMZ	E100 120-600A External CT Ovrld Relay	Direct Replacement

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-EENH	E1 Plus 160-800 A Overload Relay (100-D630...D860)	Apr. 2021	193-1EFNZ	E100 160-800A External CT Ovrld Relay	Engineered Replacement
193-EENZ	E1 Plus 160-800 A External CT Overload Relay	Apr. 2021	193-1EFNZ	E100 160-800A External CT Ovrld Relay	Direct Replacement
193-EEQD	E1 Plus 11-55 A IEC Overload Relay	Apr. 2021	193-1EFFD	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
193-EEVE	E1 Plus 60-120 A Overload Relay (100-C60...C97)	Apr. 2021	193-1EFGE or 193-1EFHZ	E100 20-100 A Direct Mnt or E100 30-150 A External CT	Engineered Replacement
193-EEVF	E1 Plus 55-110 A Overload Relay (100-D115...D180)	Apr. 2021	193-1EFGE or 193-1EFHZ	E100 20-100 A Direct Mnt or E100 30-150 A External CT	Engineered Replacement
193-EEWZ	E1 Plus 80-400 A External CT Overload Relay	Apr. 2021	193-1EFWZ	E100 80-400 A External CT Ovrld Relay	Direct Replacement
193S-EEPB	E1 Plus Single-Phase 1-5 A IEC Overload Relay	Apr. 2021	193-1EFCB	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
193S-EERB	E1 Plus Single-Phase 3.2-16A IEC Overload Relay	Apr. 2021	193-1EFDB	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
193S-EESB	E1 Plus Single-Phase 5.4-27A IEC Overload Relay	Apr. 2021	193-1EFEB	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
193S-EETD	E1 Plus Single-Phase 9-45 A IEC Overload Relay	Apr. 2021	193-1EFFD	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
193S-EEUE	E1 Plus Single-Phase 18-90A IEC Overload Relay	Apr. 2021	193-1EFGE	E100 20-100 A Direct Mnt Ovrld Relay	Direct Replacement
193S-EEPP	E1 Plus Single-Phase 1-5 A Pass-thru Overload Relay	Apr. 2021	193-1EFCP	E100 1-5 A Pass-thru Ovrld Relay	Direct Replacement
193S-EERP	E1 Plus Single-Phase 3.2-16A Pass-thru Overload Relay	Apr. 2021	193-1EFDP	E100 3.2-16 A Pass-thru Ovrld Relay	Direct Replacement
193S-EESP	E1 Plus Single-Phase 5.4-27A Pass-thru Overload Relay	Apr. 2021	193-1EFEP	E100 5.4-27 A Pass-thru Ovrld Relay	Direct Replacement
193-BC8	E1 Plus Current Adjustment Shield	Apr. 2021	193-1BC8 (exclusive to E100)	E100 Base Unit Anti-Tamper Shield	Direct Replacement
193-EGF	E1 Plus Ground Fault Protection Module	Apr. 2021	193-1EGJ (exclusive to E100)	E100 Universal Protection Expansion Module	Direct Replacement

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-EGJ	E1 Plus Ground Fault and Jam Module	Apr. 2021	193-1EGJ (exclusive to E100)	E100 Universal Protection Expansion Module	Direct Replacement
193-EJM	E1 Plus Jam Protection Module	Apr. 2021	193-1EGJ (exclusive to E100)	E100 Universal Protection Expansion Module	Direct Replacement
193-EMC	E1 Plus Adjustment Cover	Apr. 2021	193-1EMC (exclusive to E100)	Expansion Module Anti-Tamper Shield	Direct Replacement
193-EMRA	E1 Plus 240V AC Remote Reset Solenoid	Apr. 2021	193-1EMRA (exclusive to E100)	E100 240V AC Remote Reset Solenoid	Direct Replacement
193-EMRD	E1 Plus 120V AC Remote Reset Solenoid	Apr. 2021	193-1EMRD (exclusive to E100)	E100 120V AC Remote Reset Solenoid	Direct Replacement
193-EMRJ	E1 Plus 24V AC Remote Reset Solenoid	Apr. 2021	193-1EMRD (exclusive to E100)	E100 120V AC Remote Reset Solenoid	Engineered Replacement
193-EMRZ01	E1 Plus 115V DC Remote Reset Solenoid	Apr. 2021	193-1EMRZ (exclusive to E100)	E100 24V DC Remote Reset Solenoid	Engineered Replacement
193-EMRZ24	E1 Plus 24V DC Remote Reset Solenoid	Apr. 2021	193-1EMRZ (exclusive to E100)	E100 24V DC Remote Reset Solenoid	Direct Replacement
193-EMRZ48	E1 Plus 48V DC Remote Reset Solenoid	Apr. 2021	193-1EMRZ (exclusive to E100)	E100 24V DC Remote Reset Solenoid	Engineered Replacement
193-EPB	E1 Plus Panel Mount Adapter Frame B	Apr. 2021	193-1EPB (exclusive to E100)	E100 DIN Rail/Panel Adapter Frame B	Direct Replacement
193-EPD	E1 Plus Panel Mount Adapter Frame D	Apr. 2021	193-1EPD (exclusive to E100)	E100 DIN Rail/Panel Adapter Frame D	Direct Replacement
193-EPE	E1 Plus Panel Mount Adapter Frame E	Apr. 2021	193-1EPE (exclusive to E100)	E100 DIN Rail/Panel Adapter Frame E	Direct Replacement
193-ETN	E1 Plus EtherNet/IP Communication Module	Apr. 2021	193-ECM-ETR (also requires sensing & ctrl modules)	E300 EtherNet/IP Communication Module	Engineered Replacement
193-EDN	E1 Plus DeviceNet Communication Module	Apr. 2021	193-ECM-DNT (also requires sensing & ctrl modules)	E300 DeviceNet Communication Module	Engineered Replacement
193-EPRB	E1 Plus PROFIBUS Communication Module	Apr. 2021	No Direct Replacement	N/A	N/A

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
193-EPT	E1 Plus PTC Module	Apr. 2021	193-EIOGP-xx-xxx (also requires sensing & comm. modules)	E200 or E300 with PTC (see RA pub. 193-td006 for more information)	Engineered Replacement
193-ERA	E1 Plus External Reset Adapter	Apr. 2021	193-1ERA (exclusive to E100)	E100 External Reset Adapter	Direct Replacement
193-ERID	E1 Plus Electronic Remote Indication Display (ERID)	N/A	193-ERID (or new 193-1ERIDN)	Series Change	Direct Replacement
193-ERR	E1 Plus Remote Reset Module	Apr. 2021	193-1ERR (exclusive to E100)	E100 Reset Adapter	Direct Replacement
592-EEAT	E1 Plus 0.1-0.5 A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFAT	E100 0.1-0.5 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEBC	E1 Plus 0.2-1.0 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFBC	E100 0.2-1.0 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEBT	E1 Plus 0.2-1.0 A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFBT	E100 0.2-1.0 A Direct Mnt Ovrld Relay	Direct Replacement
592-EECC	E1 Plus 1-5 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFCC	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
592-EECT	E1 Plus 1-5 A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFCT	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEDC	E1 Plus 3.2-16 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFDC	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEDT	E1 Plus 3.2-16 A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFDT	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEEC	E1 Plus 5.4-27 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFEC	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEFC	E1 Plus 9-45 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFFC	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEFD	E1 Plus 9-45 A NEMA Overload Relay (Size 3)	Apr. 2021	193-1EFFP	E100 11-55 A Pass-thru Ovrld Relay	Engineered Replacement
592-EEGD	E1 Plus 18-90 A NEMA Overload Relay (Size 3)	Apr. 2021	592-1EFGD	E100 20-100 A Direct Mnt Ovrld Relay	Direct Replacement
592-EEHE	E1 Plus 30-150 A NEMA Overload Relay (Size 4)	Apr. 2021	193-1EFHZ	E100 30-150 A External CT Ovrld Relay	Engineered Replacement

Catalog Number	Product Description	Discontinued Date*	Recommended Replacement	Description	Replacement Category**
592-EEKF	E1 Plus 60-300 A NEMA Overload Relay (Size 5)	Apr. 2021	193-1EFKZ	E100 60-300 A External CT Ovrld Relay	Engineered Replacement
592-EEMG	E1 Plus 120-600 A NEMA Overload Relay (Size 6)	Apr. 2021	193-1EFMZ	E100 120-600A External CT Ovrld Relay	Engineered Replacement
592S-EEPT	E1 Plus Single-Phase 1-5 A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFCT	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EERT	E1 Plus Single-Phase 3.2-16A NEMA Overload Relay (Size 00)	Apr. 2021	592-1EFDT	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EEST	E1 Plus Single-Phase 5.4-27A NEMA Overload Relay (Size 00)	Apr. 2021	193-1EFEP	E100 5.4-27 A Pass-thru Ovrld Relay	Engineered Replacement
592S-EEPC	E1 Plus Single-Phase 1-5 A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFCC	E100 1-5 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EERC	E1 Plus Single-Phase 3.2-16A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFDC	E100 3.2-16 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EESC	E1 Plus Single-Phase 5.4-27A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFEC	E100 5.4-27 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EETC	E1 Plus Single-Phase 9-45A NEMA Overload Relay (Size 0...2)	Apr. 2021	592-1EFFC	E100 11-55 A Direct Mnt Ovrld Relay	Direct Replacement
592S-EEUD	E1 Plus Single-Phase 18-90A NEMA Overload Relay (Size 3)	Apr. 2021	592-1EFGD	E100 20-100 A Direct Mnt Ovrld Relay	Direct Replacement

Products may sell out prior to the published discontinuation date. We recommend placing all last-time buy orders as far in advance of the discontinued date as possible by contacting your local Allen-Bradley distributor or Rockwell Automation sales engineer.

Product stocking varies globally region-to-region and some regions may continue to have product available for sale up to one year after a product discontinuation date. To check product availability in your region after a published discontinuation date contact your local Allen-Bradley distributor or Rockwell Automation sales engineer.

Migration Solutions

Demanding market conditions pose significant challenges. Across the enterprise and throughout the lifecycle, you must continuously strive for ways to leverage your existing automation investment.

Let Rockwell Automation help you determine your options. Use the [Product Lifecycle Status](http://www.rockwellautomation.com/global/solutions-services/capabilities/migration-solutions/product-search/overview.page) search tool (<http://www.rockwellautomation.com/global/solutions-services/capabilities/migration-solutions/product-search/overview.page>) to find specific lifecycle information by catalog number.

As always, we will make every attempt to satisfy your needs. Please feel free to contact me with any concerns or transition issues.

Bruce K. Venné, P.E.
Global Product Manager – Motor Protection Solutions
Industrial Component Business
1201 South Second Street | Milwaukee, Wisconsin 53204 USA
Office: +1.414.382.4699 | Email: bkvenne@ra.rockwell.com

*Discontinued date may be subject to change.

**Definition of replacement categories:

Direct Replacement: a product that can be used in place of an earlier product without any user modifications or adjustments. A direct replacement provides backward compatible form, fit and function by emulating the earlier product.

Functional Replacement: a product or family that can be used to replace an earlier product or family and emulates the old one with minimal changes to an existing application. A functional replacement means that there is a form, fit or function change, but that it is backward compatible.

Engineered Replacement: a product or family that can be used to migrate an earlier product or family and requires engineering changes to existing applications. An engineered replacement means that there is a form, fit or function change of the application that is not backward compatible and that does not emulate the earlier product.