PRODUCT CHANGE NOTIFICATION

PCN-SSR-250616

This Product Change Notification serves to inform the Purchaser and Consumer of certain design and or specification changes, described herein, that Sensata will make to its line of Solid State Relay model numbers indicated in the attachment and in accordance with the described timeline.

Issue Date: June 16th, 2025

Effective Date: June 16th, 2025

Subject:

Optocoupler change on EL, ED and DRA4D Series SSR's

Scope:

Due to obsolescence of an optocoupler used in some of our solid state relays we had to evaluate and implement the use of an alternative optocoupler.

Description of Changes:

The original optocoupler used on these relays was Toshiba P/N **TLP190B**. There is no exact replacement available in the market, so we evaluated the closest option proposed by Toshiba, which is their part number **TLP3905**.
When using the new optocoupler the response times of these SSRs (**Ton** and **Toff**) were different, so we had to increase the input current to provide response times closer to the ones we had with the previous optocoupler, considering that these relays were designed for fast switching applications, such as PWM control. In the following tables you can see the current specs and the new specs for all the affected items.

Table 1. Specifications EL SERIES

	Current Specifications		New Specifications	
Crydom Part No	Max. Turn-On Time	Max. Turn-Off Time	Max. Turn-On Time	Max. Turn-Off Time
EL SERIES	1msec	300 µsec	2msec	300 µsec

Copyright © 2025 Sensata Technologies, Inc.

Table 2. Specifications DRA4D

	Current Specifications		New Specifications	
Crydom Part No	Max. Turn-On Time	Max. Turn-Off Time	Max. Turn-On Time	Max. Turn-Off Time
DRA4D100D12	22msec	330 µsec	30msec	330 µsec
DRA4D250D6	22msec	330 µsec	30msec	330 µsec
DRA4D100E12	22msec	330 µsec	30msec	330 µsec
DRA4D250E6	22msec	330 µsec	30msec	330 µsec

Table 3. Specifications ED

	Current Specifications		New Specifications	
Crydom Part No	Max. Turn-On Time	Max. Turn-Off Time	Max. Turn-On Time	Max. Turn-Off Time
EDXXD5	0.6msec	300 µsec	2msec	50 µsec
EDXXC5	0.6msec	300 µsec	2msec	50 µsec
EDXXF5	0.6msec	300 µsec	2msec	50 µsec
EDXXE5	0.6msec	300 µsec	15msec	8 msec
EDXXB5	0.6msec	300 µsec	15msec	8 msec
ED10C10	0.6msec	200 µsec	3msec	300 µsec
ED10D10	0.6msec	200 µsec	3msec	300 µsec

Applicability:

Design/Specification changes described herein apply only to specific models produced as of the effectivity date indicated in the PCN.

Copyright © 2025 Sensata Technologies, Inc.

Product models this PCN applies to:

Product Family	Part Number
EL Series	EL100D10-05
	EL100D10-05N
	EL100D10-12
	EL100D10-12N
	EL100D10-24
	EL100D10-24N
	EL100D5-05
	EL100D5-12
	EL100D5-24
	EL100D20-05
	EL100D20-05N
	EL100D20-12
	EL100D20-12N
	EL100D20-24
	EL100D20-24N
DRA4D Series	DRA4D100D12
	DRA4D250D6
	DRA4D100E12
	DRA4D250E6
ED Series	ED06C5
	ED06D5
	ED06E5
	ED06F5
	ED10C10
	ED10C5
	ED10D10
	ED10D5
	ED10E5
	ED10F5
	ED24B5
	ED24B5R
	ED24C1
	ED24C1R
	ED24C3
	ED24C3R
	ED24C5
	ED24C5R
	ED24D3
	ED24D3R
	ED24D5
	ED24D5R
	ED24E5
	ED24E5R
	ED24F3

Copyright © 2025 Sensata Technologies, Inc.

Stock Returns:
Standard annual stock rotation and warranty provisions per contract apply. There is no need to return stock.

If there are any questions or concerns regarding the changes described in this document, please do not hesitate to reach out to us.

Christopher Emery
Product Marketing Manager (Industrial Solutions)
Sensata Technologies

Copyright © 2025 Sensata Technologies, Inc.