

# PRODUCT CHANGE NOTIFICATION 0001

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**Issue Date:** 01/14/2022

## DESCRIPTION OF CHANGE:

TCI will replace the filter reactor for V1K dV/dt output filters from 2-12 amps with a new more robust reactor design. The change applies to all standard Open, Type 1 and Type 3R designs. The "EX" Heavy Duty designs are excluded from this change. With this reactor change, the Type 3R enclosure construction for V1K filters from 2-12 amps will now utilize the open chassis mount placed directly into the Type 3R enclosure. Please reference Product Images below. Additionally, all ratings of V1K dV/dt filters will now offer an optional overtemperature switch.

## PRODUCT CATEGORY:

2-12 amp standard V1K Output dV/dt Filters for Open, Type 1, and Type 3R configurations.

## PART NUMBERS / SERIES / FAMILIES AFFECTED:

Amps	Enclosure Type		
	Open	Type 1	Type 3R
2	V1K2A00	V1K2A01	V1K2A03
3	V1K3A00	V1K3A01	V1K3A03
4	V1K4A00	V1K4A01	V1K4A03
6	V1K6A00	V1K6A01	V1K6A03
8	V1K8A00	V1K8A01	V1K8A03
12	V1K12A00	V1K12A01	V1K12A03

## CLASSIFICATION OF CHANGE:

Replacement with same technical behavior and performance.

## REASON FOR CHANGE:

New filter reactor design.

## EXPECTED INFLUENCE ON QUALITY/REALIABILITY/PERFORMANCE:

No change to the V1K's performance. All ratings (2 – 750 Amps) now have an optional thermal switch that generates a relay signal to shut down VFD in the rare event of a potential overtemperature situation. Part Numbers for the thermal switch addition are TBD and will be communicated at a later date.

## TIME SCHEDULE:

Change will occur starting February 15th, 2021, or subject to stock availability of previous design.



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## PRODUCT IDENTIFICATION:

No Change. Please continue to order the same part numbers as described in the *Part Numbers Affected* section.

### Open Configuration:

With this product change, the wiring locations changed from the reactor terminals to a separate terminal block. The chassis mounted terminal block is labeled with inputs of U,V,W and outputs of T1, T2, T3. The change results in no change to the enclosure mounting dimensions (W, D) of the open configurations in the affected product range.

New Dimensions (H,W,D) 7.7", 5.5", 8.9"

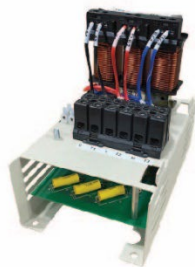
Old Dimensions (H,W,D) 7.3", 5.5", 8.9"

### Type 1 Configuration:

The change results in no change to the enclosure mounting dimensions of the Type 1 configurations in this range. The wiring connections now have a separate terminal block just like the open configuration above.

### Type 3R Configuration:

The open chassis configuration for 2-12 Amp V1Ks is installed in the Type 3R enclosure, a change from the current Type 3R configuration for V1K filters from 2-12 Amps. The image below shows the new Type 3R product offering from 2-12 Amps. Higher current ratings and EX models are not affected by this Product Change Notification. The change results in no change to the enclosure mounting dimensions of the Type 3R configurations in this range.



Open Type



Type 1



Type 3R

**This PCN is considered approved, without further notification, unless we receive specific customer concerns, to be communicated in writing, prior to February 15, 2022. Returns based on the prior design will not be accepted.**

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**ISSUED BY:** Josh Haase, TCI Product Manager

For further information, please contact your TCI Regional Sales Manager or Marketing Team at [marketing@transcoil.com](mailto:marketing@transcoil.com)