



ENGINEERED SOLUTIONS FOR INDUSTRIES WORLDWIDE

SOLON® BELLEVILLE SPRINGS | SOLON® PRESSURE SWITCHES

TECHNICAL SERVICE BULLETIN

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Subject: Cover O-rings for Model 2TC switches with integral gauge are cracking

Models Affected:

Condition: Some switches may have cover o-rings that develop cracks over time.

Cause: The original seal was a standard o-ring size and material. The shape of this seal did not facilitate alignment with the corners of the enclosure groove. As a result, certain areas of the o-ring may have been stretched more than others during installation. This increased stretch has been found to lead to cracks in the seals in some cases. Long term exposure to UV and ozone may increase this phenomenon.

Diagnosis: Remove the enclosure cover by removing the cover screws. Check the o-ring visually for cracks. Pay particular attention to the corners where the stresses may be highest. If there are any cracks in the surface, record the serial number of the device and proceed to the correction below.

Correction: Changing to the current seal design corrects this issue. The new seal has a molded shape to allow installation without stretching the o-ring excessively. The new seal is also made from a material that is much more resistant to cracking due to UV and ozone. If a failed o-ring is found, contact Solon Manufacturing for a free replacement seal. Be sure to include the serial number of the device in your correspondence. Solon can be contacted at 800-323-9717 or solon@solonmfg.com.

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