



ENGINEERED SOLUTIONS FOR INDUSTRIES WORLDWIDE

SOLON® BELLEVILLE SPRINGS | SOLON® PRESSURE SWITCHES

## TECHNICAL SERVICE BULLETIN

**Document No:** D73321.01

**Subject:** Alarm Not Resetting in Solon 2TC Density Switches

**Models Affected:** Bulb style 2TC density switches with a date of manufacture between 6/4/2008 and 2/28/2009.

**Condition:** Some customers may observe an increased deadband for the alarm setting in the density switch. The deadband is the difference between the set point and the reset point. If the deadband is excessively high, the alarm contact may not reset at the normal fill pressure of the breaker.

**Cause:** Insufficient mechanism travel may result in an inability of the switch to clear (reset) the alarm setting. This condition does not affect the alarm or trip settings on decreasing pressure. Therefore, the device will give proper indication of a loss of gas density.

**Diagnosis:** The settings for the affected devices should be checked during normal routine breaker maintenance. The date of manufacture can be found on rectangular label on the side of the green housing. The date is in the serial number field on this label.

The technician should then follow the instructions for checking the settings of the devices that were provided with the breaker. If the alarm contact does not reset at the fill pressure, then proceed to the correction below.

**Correction:** A device experiencing this condition cannot be repaired or calibrated in the field. Contact Solon Manufacturing for an RMA number and the device should be replaced.

Approved By: G. Davet

Approved Date: 05-09-2009

Originated By: G. Davet

Original Issue Date: 05-21-2013