



Product Alert

March 22, 2019

FM Approvals was notified on January 29, 2019 by Fisher Controls International LLC. of a potential non-conformance involving FM Approved Fisher Controls DLC3010 Digital Level Controllers manufactured between September 2014 and October 2018 (Intrinsically Safe Version).

Company Identity: Fisher Controls International LLC.

Address: 205 S. Center Street, Marshalltown, IA USA

Contact Information: Contact your local sales office or Emerson Automation Solutions

Product Identity: DLC3010 Digital Level Controller

Description: DLC3010 Digital Level Controller (Intrinsically Safe Version only)

Make/Model: DLC 30a0 Digital Level Controller, where a = 1, 3

Nameplate Data: LCD Meter Tag with eight digit number tag with an LV number higher than and including LV0699

FM Approvals Certificates: 3008498

FM Approval Status: FM Approved as Intrinsically Safe for Hazardous (Classified) Locations

Hazard Involved: The products contain a non-compliance with intrinsic safety requirements due to an incorrect value of a capacitor having been fitted to the LCD meter. Under certain conditions involving multiple faults the product may be capable of producing an ignition-capable spark. Refer below to the Product Advisory, issued by Emerson Automation Solutions on November 7, 2018. The affected product should be repaired or removed as described in the attached document.

If you suspect you are in possession of affected equipment bearing the FM Approvals certification marking, please bring this to the attention of:

Antonio L. Pires

FM Approvals, Quality Department

Norwood, MA, USA

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Email: Antonio.pires@fmapprovals.com



Emerson Automation Solutions
205 S. Center St.
Marshalltown, IA 50158

7 November 2018

IMPORTANT PRODUCT ADVISORY

Fisher™ DLC3010 Digital Level Controllers manufactured from September 2014 through October 2018 do not conform to IEC60079-11 for Ex ia and Ex ib Intrinsic Safety (IS). This advisory does not impact the DLC3010 Digital Level Controller Explosion Proof certification.

This is an important notice from the Fisher Instrument Business Unit. Please read this notice and distribute to appropriate personnel.

Purpose of the Product Advisory:

The DLC3010 Digital Level Controller was re-certified for Intrinsic Safety in 2014. Due to an issue with the Liquid Crystal Display (LCD) Meter, the Intrinsic Safety re-certification has been found to be invalid for all agencies/classifications/certifications including; FM, CSA, ATEX, IECEX, CUTR, INMETRO, KGS, NEPSI, and PESO CCOE.

Resolution:

Please review the DLC3010 instruments in your facility. The following actions are required for all DLC3010 instruments manufactured from September 2014 through October 2018 to maintain Intrinsic Safety approval.

Instruments impacted by this advisory can be identified by the tag located on the front of the LCD meter. All instruments with an eight-digit number tag (Figure 1) and instruments with a "LV" number higher than and including LV0699 (Figure 2) are impacted.



Figure 1



Figure 2

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If the age of the instrument cannot be identified, follow the instructions outlined below to remove the LCD meter. Impacted instruments can be identified by examining the LCD meter circuit board. Any assemblies with the C2 capacitor, highlighted below, should NOT be used in IS applications.



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LCD Meter Removal Procedure:

1. Disconnect power to the DLC3010 instrument at a location **outside of the hazardous area**.
2. After power has been disconnected; remove the cover from the transducer assembly.
3. Loosen the two screws that anchor the LCD meter to the Electronics Module. These screws are captive and should not be removed.
4. Firmly grasp the LCD meter and pull it straight away from the Electronics Module.
5. Place the cover back on the transducer assembly.
6. Return power to the DLC3010 instrument.
7. Impacted LCD meter assemblies should be destroyed to ensure they are not used in other IS applications.

The DLC3010 instrument is fully compliant with IS requirements once the LCD meter is removed.

The LCD meter should be updated in all impacted DLC3010 instruments, including Explosion Proof applications, to ensure compliance with the installed nameplate information.

New LCD meter assemblies will be provided at no charge. Please work with your local sales office to request replacement parts.

We consider product quality to be of utmost importance and apologize for any inconvenience this may cause. If you have questions, please contact your local Emerson sales office.

Regards,

Tony Thomas
Vice President, Global Sales

Matt Estabrook
Director, Fisher Core Instruments

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