



Industry Notification

Application Note

Product Management – Coal Mining Industry Notification | IN00009 March 2022

Earth Fault Lockout Relay Hardware Update

Update

The purpose of this notification is to inform Ampcontrol has upgraded the sensing utilised in the EFL for the main contactor input (MCI) and run input circuits. This upgrade was aimed at increasing the versatility of the relay when the auxiliary contacts become worn or have higher wetting current requirements.

As auxiliary contacts wear over time, the relays ability to effectively sense the operation of those inputs can be impacted.

The functionality of auxiliary contacts and control contactors can also be impacted by the minimum wetting current required for that design. These currents are used to clean the contact surfaces and assist in clamping them together. Increasing the detection voltage and current utilised in these circuits will allow the EFL to be utilised with a greater range of auxiliary contacts and contactors.

This upgrade increases the test voltage and current from 3.3VDC 0.8mA to 24VDC 10mA.

This upgrade has been integrated into new products with serial numbers starting from 2104000099.

WHAT DO I NEED TO DO

There is no immediate action required to be undertaken by customers. Where installations are functioning as designed there is no requirement to have the upgrade performed.

For those experiencing nuisance Logical MCF trips, this upgrade may resolve this issue.

REPAIRS AND OVERHAUL

Ampcontrol will perform the upgrade on all relays that are returned as a standard process. This upgrade can be identified on the repaired relay by the addition of a yellow sticker placed near the serial number.

FIND OUT MORE

For more information on this Notification, contact Ampcontrol Customer Service on +61 1300 267 373 or customerservice@ampcontrolgroup.com

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