

### INTEGRATED PROTECTION & EL RELAYS

| Summary                |  |
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| <b>News Type</b>       | Service Bulletin   |
| <b>Purpose</b>         | To inform users of updated installation and overhaul requirements                        |
| <b>Product Range</b>   | IPA,B,C & D Integrated Protection Relay Range, ELD & ELV Relays                          |
| <b>Target Audience</b> | Electrical Engineering Managers of Mines, Distributors, OEMs, AS3800 RSF's & Regulators  |
| <b>Date of Issue</b>   | 07 June 2017   |
| <b>Subject</b>         | 1. IS Components - OEM AS3800 Overhaul Requirements<br>2. NON OEM Supplied Component Use |

#### IS Components - AS3800 Overhaul Requirements

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| <p>The following information has been added to the IP relay user manuals maintenance section. This has been included due to equipment being returned to AS3800 RSF's and the IS components not being overhauled and then returned to service, only for the user to experience nuisance tripping, reliability issues and or failure shortly thereafter.</p> <p>The complete product manual is available at <a href="http://www.ampcontrolgroup.com">www.ampcontrolgroup.com</a></p> |   |
| Equipment Maintenance  | <p>It is required that the electrical protection system incorporating the IPD and its associated elements be subjected to regular functional tests at intervals determined by risk assessment and FMEA. These intervals typically coincide with periodic maintenance checks and should cover as a minimum (but not be limited to) tests such as:-</p> <ul style="list-style-type: none"> <li>- Earth Leakage Tests</li> <li>- Earth continuity tests</li> <li>- Earth Fault lockout tests</li> <li>- Overcurrent injection tests</li> </ul> <p>Equipment maintenance, repair and overhauls shall also be in accordance with legislation and standards applicable to the Country and State of use. In Australia to ensure compliance to the legislative referenced standards AS/NZS2290, AS/NZS3800 and HB239, the manufacturers requirements are as follows:-</p> |
| External Inspections   | <p>Daily (when mounted externally &amp; visible)<br/>6 Monthly (when mounted inside enclosures)</p>   |
| Internal Inspections   | <p>Not permitted - do not open any of the IP Relay components</p>   |
| Repair & Overhaul  | <p>Every 4 years - The following components shall be returned to Ampcontrol for AS3800 inspection, repair and overhaul.</p> <p>Integrated Protection Relay - IPA,B,C &amp; D<br/>Remote Display Module - RDM<br/>Cable Connection Module - CCMA,B,C &amp; D<br/>Remote Termination Unit - RTU (<i>where used &amp; available</i>)<br/>Keypad Interface Module - IKD<br/>IS Keypad - IKA, IKD<br/>Serial Interface Module - IPSI</p> <p><i>(Note: IS battery life (and the interoperability of the IS system components) is fundamental to reliable operation of the product and maintaining safety in operation)</i></p>  |

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## NON OEM CERTIFIED COMPONENT USE

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Ampcontrol has been advised that some enterprises have manufactured and overhauled equipment using non OEM certified and supplied components.

*Nominated components:-*

Phase Current Transformers  
Core Balance Toroids

*Affected Products:-*

IPC & IPD Protection Relay Range  
ELD & ELV Earth Leakage Relays

The above products have been tested and certified using only the original OEM specified components. The use of unspecified componentry not only voids product warranty and certification compliance, but poses increased operational performance risks to equipment, and more importantly an increased safety risk to personnel.

End users are recommended to audit their suppliers and obtain a statement of compliance to ensure that only Ampcontrol supplied and certified components are used in their protection systems.

## FIND OUT MORE

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For more information on this product, please contact Ampcontrol Customer Service on +61 1300 267 373 or [customerservice@ampcontrolgroup.com](mailto:customerservice@ampcontrolgroup.com) or visit the Ampcontrol website: [www.ampcontrolgroup.com](http://www.ampcontrolgroup.com)

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