

## ENGINEERING NOTE IPC/IPD RELAY INSTALLATION

*This Engineering Note details the ideal installation requirements for the IPC and IPD Integrated Protection Relays.*

### IPD APPLICATIONS

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IPC and IPD Integrated Protection Relays are installed in electrical distribution enclosures including substations and DCBs to provide comprehensive protection of electrical outlets.

### POSSIBLE ISSUES CAUSED BY INCORRECT INSTALLATION

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If the IPC/IPD relay is incorrectly installed, there may be insufficient air flow around the relay which may result in overheating. This can cause a number of operating issues including unpredictable operation and component failure.

### CORRECT INSTALLATION REQUIREMENTS

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The following installation guidelines are recommended when installing IPD or IPC relays:

1. Relay is best mounted vertical in accordance with the "INSERT RELAY THIS WAY UP" label.
2. Where possible the relay should be mounted low in the enclosure to allow heat to rise away from the relay.
3. To ensure sufficient airflow, maintain clearances of 50mm on both sides, and 100mm at the top and bottom of the relay where possible.
4. Where the relay must be mounted horizontally, care must be taken to ensure adequate air flow to maintain the safe operating temperatures of the relay (venturi air cooling may be required). The installation should be assessed by a competent engineer to ensure sufficient ventilation.



### FIND OUT MORE

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For more information on using the IPC/IPD contact Ampcontrol Customer Service on 1300 267 373 or [customerservice@ampcontrolgroup.com](mailto:customerservice@ampcontrolgroup.com).

OR visit the Ampcontrol website:  
[www.ampcontrolgroup.com](http://www.ampcontrolgroup.com)