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## AFCI and LCDI Components

Notification Type:	Safety
Certification Type:	ETL Listed - US and Canada

<b>Product, Process or Service Involved</b>	AFCI and LCDI
<b>Standard, Section or Test Method</b>	Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [UL 60335-2-40: Ed. 4] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40: Ed.4]

### Notification

Intertek notifies consumers, retailers and distributors of a potential safety concern involving the Intertek Certified products identified below.

### Description of Characteristics

Clause 25.101DV.1 requires Room Air Conditioners, Room Heat Pumps, Package Terminal Air Conditioners (PTAC), and Package Terminal Heat Pumps (PTHP) to have a current protector in the attachment plug. This protection may be a Leakage Current Detection Interrupter (LCDI) or Arc-Fault Circuit Interrupter (AFCI).

Clause 24.1DV requires these components comply with the applicable North American component standard.

UL 60335-1 and CSA C22.2 No. 60335-1 require the AFCI and LCDI components to be compliant with UL 1699. The undated standard reference means the latest edition or revision of UL 1699 must be used for compliance.

### Modification of the Standard

**The following modification is approved only until January 1, 2025. After January 1, 2025, the latest requirements of UL 60335-2-40 and CSA C22.2 No. 60335-2-40 must be followed.**

#### Modification:

AFCI and LCDI required by clause 25.101DV.1 must comply with UL 1699 3rd Edition dated May 3, 2017 or any later edition.

Table DVA is modified as shown here:

Clause	Component	IEC/ISO	Canada	United States
24.1	Protective Devices (Arc Fault Circuit Interrupters, Ground-Fault Circuit Interrupters)	N/A	CSA Technical Information Letter No. M-02A Interim Requirements for Arc-Fault Circuit Interrupters CAN/CSA C22.2 No 144.1 – Ground Fault Circuit Interrupters	UL 1699 – Arc Fault Circuit Interrupters <b>(Edition 3 as published on May 3, 2017, or later)</b> UL 943 – Ground-Fault Circuit Interrupters

### Rationale

HVAC manufacturers of the products stated in this notice are working with their vendors to obtain AFCI and LCDI devices that are compliant to the latest edition of UL 1699. Manufacturers have voiced issues for their vendors obtaining the necessary technology to modify construction to be compliant with the latest edition of UL 1699. While the industries address these concerns with the component standard, Intertek is granting manufactures time to find a solution by allowing the construction that was compliant with the previous Edition of UL 1699. Per the date above, this modification has an end date of January 1, 2025.