

Ducted Systems Technical Services: Service Tips Letter

Letter: ST-008-2021

Date: May 27, 2021 Effective: May 25, 2021 Expires: May 25, 2023

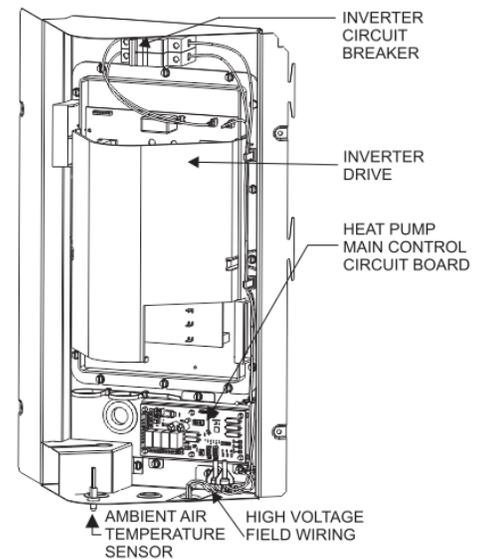
To: S1 HVAC Branch and Distributor Principal, Sales Manager, Service Manager, Parts Manager, Warranty Manager, Training Manager, Delegated Administrator.
Ducted Systems Technical Services, DS Parts/S1, ES Americas, ADTI Channel, Account Representatives, Marketing, Sales, Warranty teams.

Subject: **16 SEER Modulating Heat Pump Circuit Breaker**

Product/s: **YHM, TH16, CH16 Residential Heat Pump Models**

Summary: **This letter provides information and resolution regarding nuisance circuit breaker trips of the internal circuit breaker provided in this model equipment.**

Since the introduction of the modulating heat pump product, in very specific installations some customers have experienced nuisance circuit breaker tripping. The circuit breaker can be found in the upper area of the unit control panel as shown in the image to the right. The breaker may inadvertently trip during periods of high or excessive outdoor ambient temperatures. The internal breaker was designed into the product to add an extra layer of current protection for the electronic inverter drive. The breakers were selected based upon the listed minimum circuit ampacity (MCA) as well as operating temperature limit conditions found in Table 1 of the unit installation manual. Even though an external service disconnect and branch circuit fuse or breaker should already be installed per electrical code and in accordance with the outdoor unit installation instructions, agency requires the internal breaker on the product. If an installation experiences nuisance trips of the internal circuit breaker and all troubleshooting steps have been followed to validate the system is working properly, the internal breaker may be replaced with a different breaker per the table below. New unit production will also change to the updated breakers. This will be a running change. The unit model number will not change however the revision letter (at the end of model number) will change from revision "A" to revision "B". The revision letter is only visible on the unit rating plate itself. There will be no change to the units MCA or maximum over-current protection device (MOP) rating therefore there will be no change in unit ratings.




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Ducted Systems Technical Services - Johnson Controls

UNIT TONNAGE	CIRCUIT BREAKER P/N
2	S1-02436306000
3	S1-02436307000
4	S1-02436308000
5	S1-02440909000