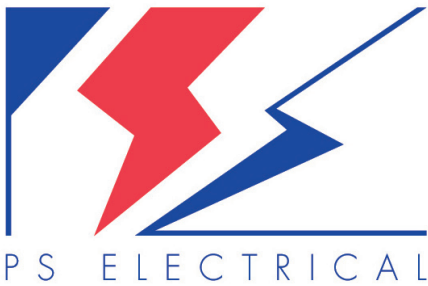


TRIP-UNIT TIMES

ISSUE #01
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PS Electrical Services Ltd is dedicated to the quality and reliability of our trip units and retrofit kits. We test 100% of our trip units under load and at temperature before they are shipped.

UL & CE CERTIFICATION

The Amp Safe Pro™ is now UL and CE listed for use in Masterpact M Series Breakers!

PS Electrical Services are very excited to offer a UL and CE listed solution for the Square D and Merlin Gerin Masterpact STR trip units. The testing was performed to the ANSI/IEEE C37.59 standard for UL certification. The breaker and Amp Safe™ trip unit were tested by interrupting two consecutive 65,000 amp faults at 635 volt 3-phase. With the completion of this test, Amp Safe now is the only UL and CE listed option for the Masterpact M series breakers.

Schneider Electric released a video outlining the known issue of low current nuisance tripping with the STR units.

http://sedatacenters.com/resources/videos/video_white_papers/masterpact-upgrade-faq/

This link will take you to the Schneider

video, the STR's are mentioned around the 1:30 minute mark.

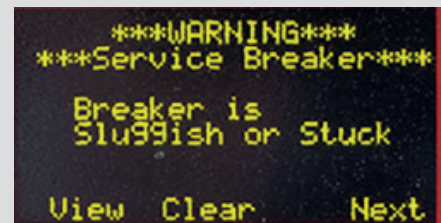
In order to provide a solution to the nuisance tripping issue, PS Electrical Services offer the Amp Safe Pro. CE UL certification you can be confident when you replace an STR trip unit that you are getting a product that has been tested to ANSI standards.

In addition to being UL and CE listed, the AmpSafe also has the following features.

- Duplication of all the original STR features and trip curves.
- The QUICK-TRIP® arc flash reduction system is standard.
- The data from the last 8 trip events is available on the OLED display.
- A user friendly Graphical User Interface is available for uploading settings and downloading trip data and settings through USB.

MAINTENANCE REQUIRED ALARM

The Amp Safe Pro™ now has a new feature; the ability to measure the breaker opening speed on the "first operation". Slow opening speed is a predictor of pending breaker mechanism lubrication and bearing problems. Unfortunately, slow breaker operation is usually masked once the breaker is operated and the mechanism is exercised. It is therefore important to measure the opening speed on the first operation after the breaker was closed for an extended period of time. When the Amp Safe with this feature does a trip under load, it will measure the opening speed of each phase and activate an alarm if the opening time is too long and breaker maintenance is required.



Example of the warning the Amp Safe will display when a slow breaker operation is detected.

ONLINE ORDERING

Visit our web sites at www.pselectricaltd.co.uk and www.masterpactcenterofexcellence.co.uk and use the drop down menus to order parts and complete breakers.

Please visit us on the web and sign up for an account today.

ANSI TESTING

In addition to the UL certification on the Masterpact M series Breaker, we also recently added the following breakers to our list of UL certified retrofit designs.

Allis-Chalmers LA 1600
Westinghouse DS 206
Westinghouse DS 416
ITE K-1600
ITE K-3000

The UL and ULC classification is in accordance with UL1066 CSA C22.2, IEEE C37.59-1991 as well as appropriate sections of ANSI C37.17-1979 and C37.50-1989.



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