



7.2 TECHNICAL INFORMATION

TITLE: OPERATION OF THE SELF-TEST FEATURE OF THE FPU-16

On firmware revision 7 and higher of the FPU-16 Feeder Protection Unit, a self-test feature has been included. The self test is used to verify operation of the relay contacts. When activated, the self-test feature will cause the FPU-16 to trip in all of its protective modes. After the self test is completed, the unit must be reset in each of its protective modes to reset the contacts.

To initiate the self test, select Mode 5, then press RESET and ENTER simultaneously. The FPU-16 will now be tripped, with fault indication (FFF) in Modes 0 to 4. Modes 1 to 4 can be reset by selecting the individual mode and pressing RESET. To reset Mode 0 when the I^2t is less than 30% (as indicated in Mode d), select Mode 0 and press RESET. If the I^2t is more than 30%, an Emergency Thermal Reset must be performed. To do this, defeat the program-change lockout by connecting FPU-16 terminals 20 and 21, select Mode d and press RESET and ENTER simultaneously. This will set the I^2t to 0% and reset Mode 0. To reset Mode 0 when I^2t IMMEDIATE RESET is selected in Mode 5, select Mode d and press RESET. This will set the I^2t to 0%. Now select Mode 0 and press RESET.

A self-test will not alter any of the data that is stored in the FPU-16's memory. The only change to stored information will be when Mode 0 is reset, which will reset I^2t to 0%.

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