

**What are the recommended condition to use the function of Cold Load Pick Up ( CLPU) for in Sepam series 20, 40?**

First of all let's see which models of Sepam relays have got this function:

In Sepam series 20, two models, In Sepam series 40 seven models have this function. But non of the models in Series 60 and 80 have this function.

Sepam series	CLPU option	Models
20	Yes	S24 , T24
40	Yes	S50,S51,S52,S53,S54,T50,T52
60	No	-
80	No	-

The Cold Load Pick-Up I or CLPU 50/51 function avoids nuisance tripping of the phase overcurrent protection (ANSI 50/51 ), during energization after a long outage. Depending on the installation characteristics, these operations can actually generate transient inrush currents likely to exceed the protection set points. This description could be used for earth fault and CLPU 50N/51N also.

These transient currents may be due to:

- The power transformer magnetizing currents
- The motor starting currents
- Simultaneous resetting of all the loads in the installation (air conditioning, heating, etc.).