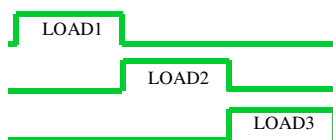
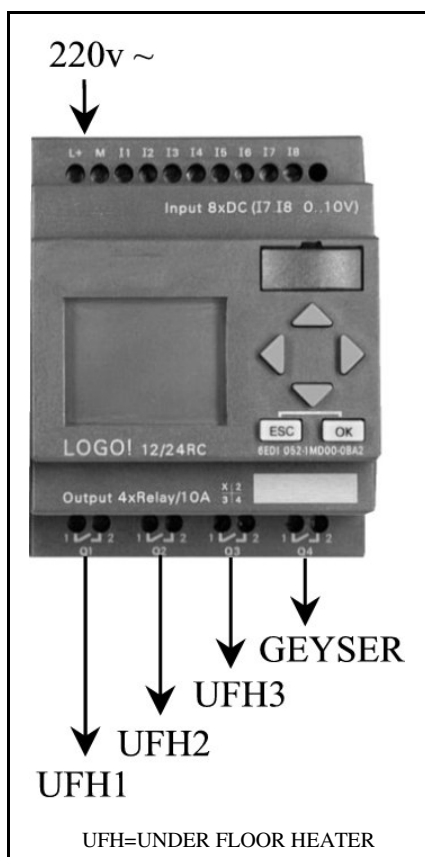


Main circuit breaker
Tripping?

TRY OUR



LOAD DISTRIBUTOR



Purpose: To reduce the peak current consumption by time-switching loads. Many homeowners have under floor heaters and multiple geysers. Together with an electric stove, these are the most power hungry consumers in a typical household. When the main circuit breaker trips from time to time, the reason might well be that the peak current exceeds the rated current. Furthermore, Escom might introduce escalating tariff structures, based on the main circuit breaker's rating. To install a higher rated circuit breaker is thus not desirable. Municipalities discourage 3-phase supplies by asking exorbitant prices for an installation. The load distributor is a low cost solution to reduce you peak current demand.

**EASY TO INSTALL, NO PREVIOUS
PLC EXPERIENCE REQUIRED**
Fits in the existing DB

How? Just like Escom has been load shedding on an area basis to reduce their peak supply, the same can be done within a household. The load distributor is a Programmable Logic Controller (PLC) unit and contains a custom program to control output 4 relays. The output relays can be used to switch loads ON or OFF at the desired times. The output relays can switch currents of up to 10A at 220V AC. If higher currents need to be switched, an external relay or contactor must be used. Several types of pre-programmed load distributors are available, and custom programs can be offered at a marginal cost. The PLC also has a voltage input sensor which can be used for various purposes, but has typically been programmed to disable all output relays. This is useful to, for example, disable all under floor heaters and/or geysers, whilst the stove is used. Units with more output relays are available.

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