

## “SOFT START” SOLID STATE MOTOR STARTER

### Function:

A motor starter controls the electrical voltage and current from the building power source to the elevator controller. The starter is typically mounted in the elevator controller which is located in the elevator machine room. In some cases, the motor starter is located in a separate enclosure mounted to the hydraulic power unit.

### Reason for Upgrading:

Existing elevators usually have obsolete electro-mechanical type motor starters that have far exceeded their life expectancy. Most customers are upgrading to modern solid state motor starters that provide the following benefits:



- Quieter Operation – Eliminates contactor sound and feeder wire rattling.
- Current limit adjustment to reduce light flick irritations.
- Lower utility demand with controlled low line current motor starting
- Better operation during low voltage situations – As elevator controller relays age and become worn they will become more effected by low voltage or “brown out” situations. The solid state starter operates much more efficiently and allows for more reliable controller operation during low voltage situations.
- Motor overload protection.
- Phase loss or reversal detection.
- Fault type LED indicator.
- No expensive silver contacts to check or replace.
- Accurate selection of starting motor current that can substantially extend pump motor life.
- Stall prevention feature assures operation even when oil is cold.