



To ensure that ADD-A-PHASE® will operate the elevator motor properly, five conditions *must* be met:

- 1) The elevator controller *must* utilize an across-the-line starter. No wye-delta, solid-state, or part-winding starters!!
- 2) Phase loss or phase rotation monitors should not be used. They are not compatible with ADD-A-PHASE. Reversal of either incoming single-phase line does not affect rotation, so rotation monitoring is not necessary with ADD-A-PHASE.

Also, the lack of phase rotation from the ADD-A-PHASE output, in the motor-off condition, could cause the phase rotation monitor to inhibit motor starting. The motor-off voltages present with ADD-A-PHASE will cause a three-phase voltage monitor to disable motor starting, so they cannot be used. Single-phase under/over voltage monitoring could be utilized, if desired.

- 3) Only the three-phase motor may be connected to the manufactured phase (labeled "A" in the ADD-A-PHASE). All other loads, such as control circuits or door opener circuits, must be single-phase and connected to the single-phase equivalent lines ("B" & "C") of ADD-A-PHASE.
- 4) Amperage and voltage ratings of the motor and the single-phase supply voltage must be verified and supplied to Ronk to assure the proper ADD-A-PHASE is supplied. (Note: It is best to specify a 240 volt rated motor when the single-phase service is 240 volt.)
- 5) Sufficient single-phase KVA must be available to run a pressure relief or overload test. Make sure the single-phase service, utility transformer, and single-phase wire size are adequately sized for the expected load.

If you have any questions or concerns, contact us by phone at (800) 221-RONK, by fax at (217) 563-8336, or by email at sales@ronkelectrical.com.