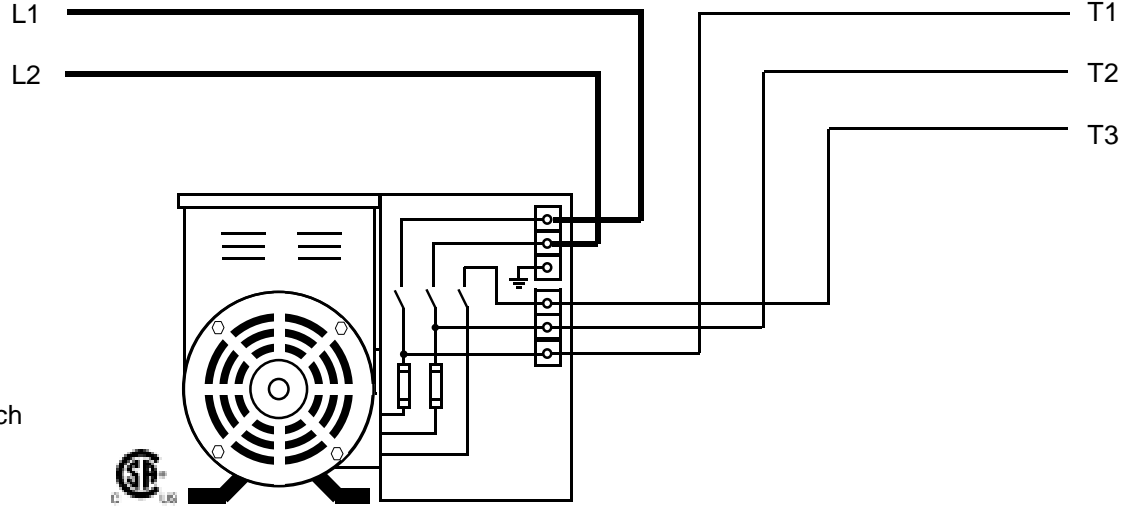


**Single-Phase  
Input from  
Main Utility  
Supply Panel**

208, 230 or  
460 Volts

See Note 5  
For Branch Circuit Sizing

**Phasemaster®** Type MA-R  
Rotary Phase Converter  
with built-in disconnect switch  
and fuses



**Three-Phase  
Output to  
Load**

Output voltage  
equals  
3-phase  
equivalent of  
input voltage

See Note 4

WIRE SIZE SELECTION CHART									
Model No.	Start HP	230 Volts				460 Volts			
		Switch*	Fuse*	1-Ph Cable	3-Ph Cable	Switch*	Fuse*	1-Ph Cable	3-Ph Cable
SD-60-R	1.5	30	10	#12	#12	30	5	#12	#12
MA-00-R	2	30	15	10	12	30	7.5	12	12
MA-0-R	3	30	20	8	10	30	10	10	12
MA-1-R	5	30	30	8	10	30	15	10	12
MA-1B-R	7.5	60	35	6	8	30	15	8	12
MA-2-R	10	60	40	4	8	30	20	8	10
MA-3-R	15	60	60	1	6	30	30	6	10
MA-4-R	20	100	80	1/0	4	60	40	4	8
MA-5-R	25	100	100	3/0	4	60	50	2	6
MA-6-R	30	200	125	4/0	2	60	60	1/0	6

**INSTALLATION NOTES**

1. This diagram does not replace or supersede any requirements of local, state or national electric codes.
2. Fuses are supplied with converter. Use only dual element time delay fuses as replacements.
3. Do not bolt converter to floor. Use vibration pads supplied with unit.
4. Do not connect control circuits to manufactured phase, T3.
5. National Electric Code (NEC) requires single-phase cable and branch circuit to be rated for 250% of three-phase load current.
6. No-load output voltage L2-T3 will exceed L1-L2 by 12-15%.

\* Supplied with converter

**Wiring Notes:**

- Conductor sizes based on type THHN, 90° C, copper in 30° C max. ambient.
- These are minimum recommended sizes for the load motor HP rating indicated.
- For larger loads refer to installation note 5 and increase conductor size accordingly.
- Increase wire size for Aluminum conductors or runs in excess of 50 feet.
- Consult National Electric Code for runs in excess of 50 feet or for aluminum conductors.

**Connection Diagram for Phasemaster Rotary  
Phase Converter with built-in  
Switch and Fuses**

**0302-MAR**