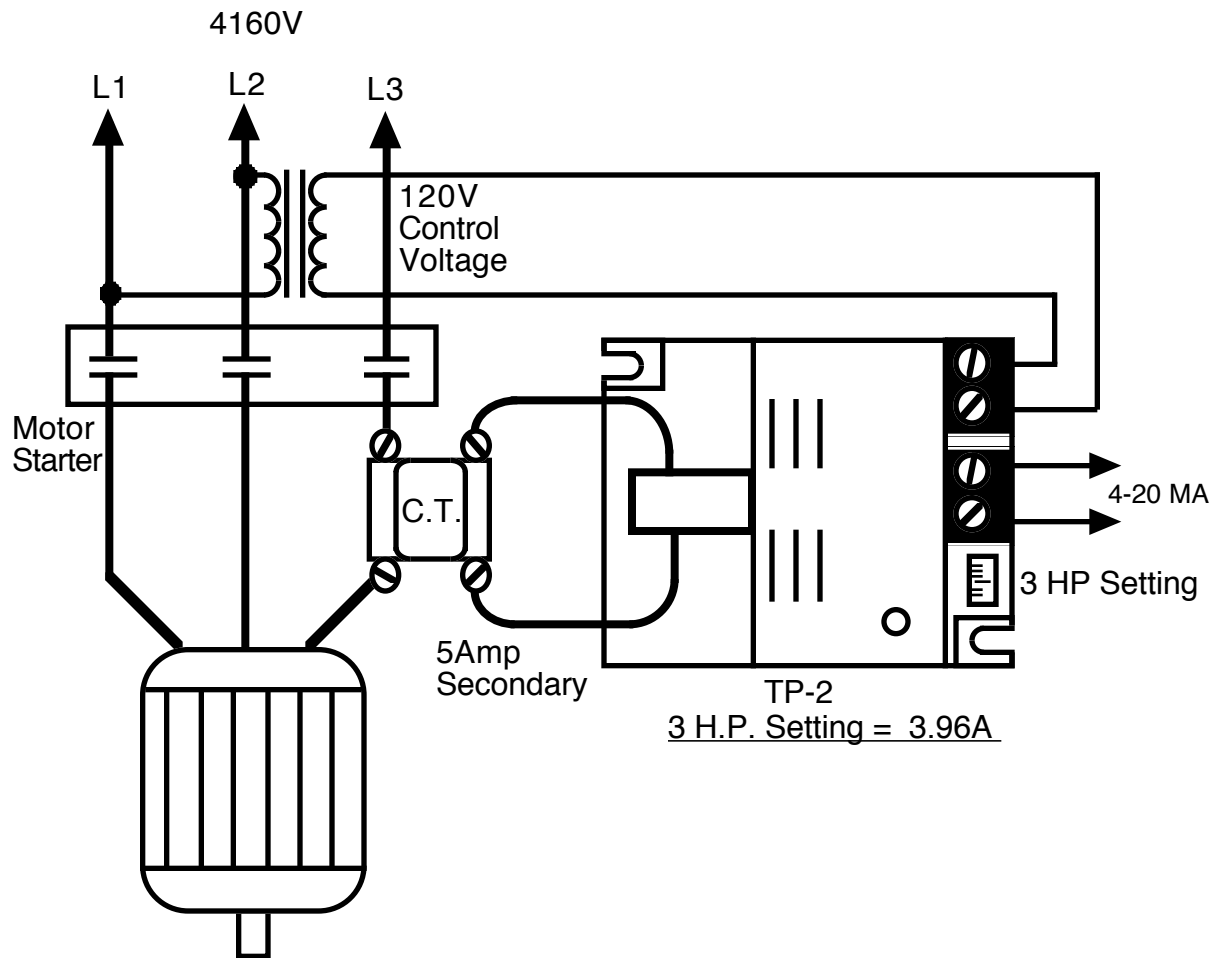


TP-2 WIRING DIAGRAM



Full Scale Electrical Power is calculated :

$$\text{Motor Voltage} \times \text{C.T. Primary Rating} \times 1.732 (\text{Sq. Rt. } 3) \times \frac{3.96}{5}$$

Example :

$$\text{Motor Voltage} = 4160\text{V} \quad \text{CT Primary} = 100\text{A}$$

$$\text{Full Scale} = 4160 \times 100 \times 1.732 \times \frac{3.96}{5} = \mathbf{571 \text{ KW}} = \mathbf{765 \text{ H.P.}} \text{ Electrical Power}$$

Output Power or Mechanical Power is calculated :

$$\text{Electrical Power (Either KW or HP)} \times \text{Motor Efficiency}$$