Anti-Restart Alternative

The University of Texas at Austin

J Scott Allen
Mechanical Engineering Shop
Supervisor
Switch Box

Motor Starter

MS1

Start

Stop

MS1 - D

F1

IN Slo Blq

L1

MS1 - A

T1

L2

MS1 - B

T2

L3

MS1 - C

T3

Motor

Notes:

1) Numbers in Circles are Motor Starter Terminal Numbers i.e. (1)

2) F1 is recommended but optional.
Switch Box

Motor Starter

Start

Stop

R

G

MS1

F1

MS1-D

MS1-A

T1

MS1-B

T2

Motor

MS1-C

T3

L1

L2

L3

N

Notes:

1) F1 is recommended but optional
2) Numbers in Circles are Motor Starter Terminal Numbers i.e. MS1-A
3) Green LED is part of the ON switch, Red LED is part of the OFF switch.
4) Green LED indicates Motor is Running.
5) Red LED indicates AC Supply is Present and Motor is Stopped.
6) If Red LED is illuminated but motor will not start, Check Heaters or Overload.
Notes:
1) Low Speed is the de-energized sensor state.
2) A High Speed Sensor State (active); thru the CR2 N.C. contact
   energizes CR1. CR1 is latched when T1 is energized, locking the motor direction.
3) A Low Speed Sensor State (de-active); T1, thru the CR1 N.C. contact,
   energizes CR2, disabling the Speed Sensor and locking the motor direction.
4) Numbers in Circles are Relay Terminal Numbers i.e. 1
5) Green LED is part of the ON switch, Red LED is part of the OFF switch.
6) Red LED indicates AC Supply is Present and Motor is Stopped
7) Green LED indicates Motor is Running.
### 3 Phase Restart Lockout

#### Push Button

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Retail</th>
<th>Factory New</th>
<th>New Surplus</th>
<th>Used</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Enclosure w/switches</td>
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<tr>
<td>800S 2SA</td>
<td>integral switches, not oil tight</td>
<td>$192.00</td>
<td>$151.00</td>
<td>$71.00</td>
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<td>800T-2TA</td>
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<td>800T-A1D1 (A)</td>
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<td>$112.00</td>
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Questions???