Basic Feature/Reinke Wiring
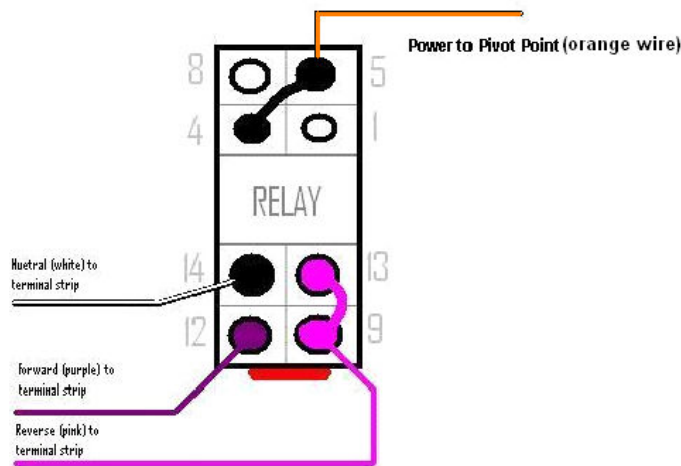
Only do Steps 1 – 3 for basic stop feature and tape off unused wires
Add Steps 4 – 5 for speed control
Add Steps 6 – 7 for end gun control

Rienke – And Similar Neutral Safety Systems
1. Remove the Brown (safety) wire from the terminal strip in the end tower box and install our black wire in its place.
2. Use a wire nut to connect our Red wire to the Brown (safety) wire that was removed from the terminal strip in step 1.
3. Install our orange wire into the relay assembly as shown (see picture on page 2) Relay part number -W78ARCSX-11, and Base part number – 70-459-1
4. Run jumper wires from the forward and reverse on the terminal strip and install them into the relay as shown (see picture - this gives the Pivot Point 120v)
5. Remove the Rienke orange (percent timer) wire from the terminal strip in the end tower box and install our blue wire in its place.
6. Use a wire nut to connect our yellow wire to the Rienke orange (percent timer) wire that was removed from the terminal strip in step 5
7. Remove the Reinke yellow (end gun) wire from the terminal strip in the end tower box and install our brown wire in its place.
8. Use a wire nut to connect our red/black wire to the Reinke yellow (end gun) wire that was removed from the terminal strip in step 7.

Basic feature wiring
This wiring is for Pivot Points with monitor, speed control and Endgun control out at the end tower box:

Only do Steps 1 – 3 for basic stop feature and tape off unused wires
Add Steps 4 – 5 for speed control
Add Steps 6 – 7 for end gun control

Zimmatic:
1. Remove the Zimmatic brown (safety) wire from the terminal strip in the end tower box and install our black wire in its place.
2. Use a wire nut to connect our Red wire to the Zimmatic brown (safety) wire that was removed from the terminal strip in step 1.

3. Install our orange wire into the terminal strip with the other white (neutral) wires.
4. Remove the Zimmatic orange (percent timer) wire from the terminal strip in the end tower box and install our blue wire in its place.
5. Use a wire nut to connect our yellow wire to the Zimmatic orange (percent timer) wire that was removed from the terminal strip in step 4.
6. Remove the Zimmatic purple (end gun) wire from the terminal strip in the end tower box and install our brown wire in its place.
7. Use a wire nut to connect our red/black wire to the Zimmatic purple (end gun) wire that was removed from the terminal strip in step 6.

Valley:
1. Remove the Valley yellow (safety) wire from the terminal strip in the end tower box and install our black wire in its place.
2. Use a wire nut to connect our Red wire to the Valley yellow (safety) wire that was removed from the terminal strip in step 1.
3. Install our orange wire into the terminal strip with the other white (neutral) wires.
4. Remove the Valley purple (percent timer) wire from the terminal strip in the end tower box and install our blue wire in its place.
5. Use a wire nut to connect our yellow wire to the Valley purple (percent timer) wire that was removed from the terminal strip in step 4.
6. Remove the Valley pink (end gun) wire from the terminal strip in the end tower box and install our brown wire in its place.
7. Use a wire nut to connect our red/black wire to the Valley pink (end gun) wire that was removed from the terminal strip in step 6.

Olson: (After 1980)
1. Remove the yellow (safety) wire from the terminal strip in the end tower box and install our black wire in its place.
2. Use a wire nut to connect our Red wire to the yellow (safety) wire that was removed from the terminal strip in step 1.
3. Install our orange wire into the terminal strip with the other white (neutral) wires.
4. Remove the Olson grey (percent timer) wire from the terminal strip in the end tower box and install our blue wire in its place.
5. Use a wire nut to connect our yellow wire to the Olson grey (percent timer) wire that was removed from the terminal strip in step 4
6. Remove the Olson purple (end gun) wire from the terminal strip in the end tower box and install our brown wire in its place.
7. Use a wire nut to connect our red/black wire to the Olson purple (end gun) wire that was removed from the terminal strip in step 6.

Lockwood with 16v safety system:
1. Remove one of the 120v wires going to the safety transformer and connect our black wire in its place.
2. Use a wire nut to connect our Red wire to the wire that was removed from the transformer in step 1.
3. Install our white wire into the other 120v terminal on the safety transformer. (with the wire that was not disturbed in step 1 or 2)
4. Remove the Lockwood purple (percent timer) wire from the terminal strip in the end tower box and install our blue wire in its place.
5. Use a wire nut to connect our yellow wire to the Lockwood purple (percent timer) wire that was removed from the terminal strip in step 4.
6. Remove the Lockwood brown (end gun) wire from the terminal strip in the end tower box and install our brown wire in its place.
7. Use a wire nut to connect our red/black wire to the Lockwood brown (end gun) wire that was removed from the terminal strip in step 6.

Neutral — Orange

Line (120v) — Black

Stop Relay
NO
NC — Red
COMMON — Black

Start Relay
NO
NC
COMMON

End Gun Relay — Brown
NO
NC
COMMON — Red/Black

Speed Control Relay
NO
NC — Blue
COMMON — Yellow

Safety Monitor

Other Monitor

7-40v DC IN

GND

SOLAR IN

GND