



Merlin Installation Guide

Turn off main power switch from the pole and breaker inside the rectifier.

Install Merlin AC power supply and AC Lightning arrester

AC power supply should be tucked in the back

2 black power supply wires to Merlin wire harness A and B

AC Lightning arrester should hang below rectifier

2 Black Wires to Rectifier Break Feed

1 White wire to positive anode bed

Locate place to mount Mercury Relay (Interruption models only)

Be sure area behind is clear of elec. components, wires, etc.

Be sure rectifier door will close prior to mounting

Relay must be mounted vertically – note the direction of the arrow

Drill small pilot holes prior to mounting

Interrupt the AC power

Remove jump bar and note the placement, mark the panel to be correct

Run large gauge wires from mercury relay to AC taps

Install DC Lighting arrestor – Replace existing with Abriox unit

Locate place in back of the panel to mount the Merlin

Run blue wires from mercury relay to Merlin wire harness C and E

Run black and red wires from the shunt to Merlin wire harness K and L

Run black and red wires from anode and pipe connection to Merlin wire harness I and J

Use small jumper wire in Merlin wire harness G and H

Drill 1/2" hole in the bottom of the rectifier for the antenna wires

Run the small wire through first so they will fit easily

Mount the cell phone antenna as high as possible (without ladder) on the side of the pole

If using small sticky antenna mount to the side of the rectifier

Mount the GPR antenna (magnet) to the top of the rectifier (interruption only)

Plug the wire harness into the Merlin and position it on the inside back wall of the rectifier ensuring that all doors will close.

Turn power back on at the pole and inside the rectifier

Wake up the Merlin using magnet

Swipe magnet across top face of the Merlin and wait until green light flashes every 2 seconds

NOTE: Record the Shunt value at the rectifier.