

# Model AD Universal Autodual for AUTOMATIC LEAD/LAG SEQUENCING of an I-R Rotary and an I-R Recip at a Manufacturer of Electronic HVAC Controllers

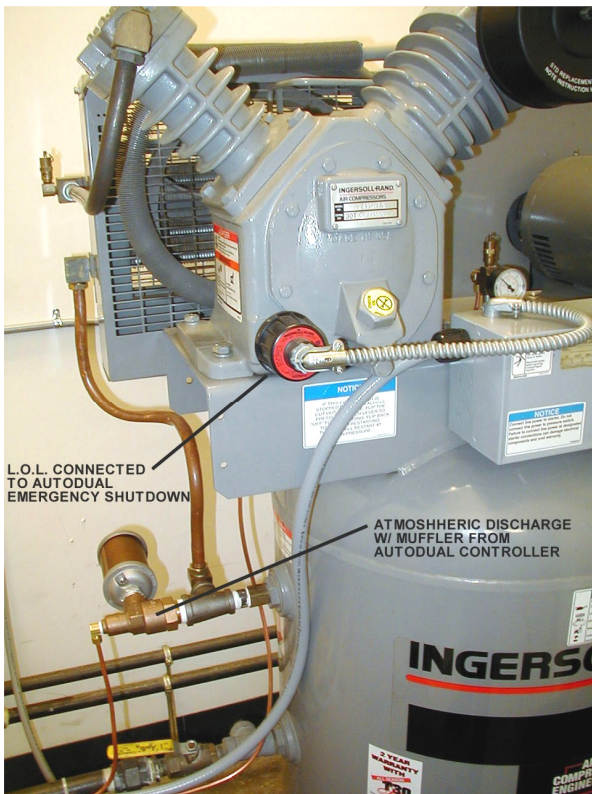


Universal Autodual AD Controller installed on an I-R Type 30, with Full Automatic Lead/Lag sequencing control to an I-R SSR.

Customer requirements dictated the SSR to operate as lead compressor with type 30 on automatic standby backup during 2 to 8 hour production shifts.

For 3rd shift, the Type 30 is automatically switched to primary compressor for test equipment and supplemental air requirements during the night, with the SSR providing automatic standby backup on demand.

Full control and automatic timeout was maintained on the I-R SSR utilizing its existing controls. Simple connection combined the logic of the Autodual to the SSR, converting 2 separate compressors into one intelligent compressor SYSTEM operating at its MAXIMUM LEVEL OF EFFICIENCY.



The Autodual's 5-second initial unload delay and idle to timeout incorporated into the Type 30 utilizing an atmospheric discharge unloader and muffler allows the I-R Type 30 to operate PERFECTLY, limiting start/stop cycling. Autodual's emergency shutdown wires directly to Type 30 L.O.L. shutdown switch.

Type 30 utilizes the Autodual's automatic drain system which purges tank 5, 10 or 20 seconds (user selectable) for every hour of ACTUAL pumping time, eliminating wasted drain air.

