ELECTRICAL CONNECTION DIAGRAMS KAMAG II, KAMAG 14 AND KAMAG 18 GENERATORS WITH KCR VOLTAGE REGULATORS

**NOTE 1:** Caution: Unit must be grounded in accordance with applicable electrical codes. Generator neutral is factory grounded to generator frame.

**NOTE 2:** See voltage rating chart for applicable connection diagram. Conductors shown as dashed lines to be insulated by the user in accordance with applicable codes. Black arrow indicates current direction for regulator before operating generator set.

**NOTE 3:** Connection of optional regulator on/off switch is shown in Figure 1.

**NOTE 4:** Connection of optional field circuit breaker is shown in Figure 1.

*NOTE 5:* In applications where parallel option is not provided, a jumper must be installed across terminals C1 and C2. If three phase application, make parallel operation breaker for the phase in which the parallel breakers are connected single phase. Consult factory.

**NOTE 6:** Voltage regulator terminals C1 and C2 must be wired to a shunt in line with phase in which they are wired to. To obtain good regulation on single phase connections, it may be necessary to install regulating on KCR60 voltage regulator. Consult factory manual for procedure.

**NOTE 7:** When operating on a 3-wire grounded leg delta system, neutral leads N, L1, and L2 are led from ground stud, not them together and insulating them, then connect the desired phase leads to ground stud.

**NOTE 8:** Caution: Exciter field circuit is not isolated. Do not attempt to manually flash generator field while generator is running.

**NOTE 9:** Lead markings shown in Figures 1-5 for single-phase rotation. Generator leads are marked with cut off exciter end. Front facing drive end.

*APPLIES TO REGULATOR MODEL KCR-250 ONLY*

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*FIGURE 1: REGULATOR ON-OFF SWITCH OPTION*

*FIGURE 2: SERIES DELTA CONNECTION THREE PHASE LOADS*