

# THE RESTORE-A-PHASE

SECONDARY SERVICE POWER RESTORATION TOOL

KEEP YOUR CUSTOMERS ENERGIZED

PART# HJA-RAP-M MASTER UNIT

PART# HJA-RAP-B BOOSTER UNIT

RESTORE FAULTS WHILE REPAIRING CUSTOMERS' SERVICE.

UNIT IS PORTABLE AND CAN BE MOVED WITH ONLY 1 WORKER.

CAPABLE OF PROVIDING 7.5 kVA TO 22.5 kVA SERVICE DEPENDING ON # OF UNITS ATTACHED. (1 MASTER, 2 BOOSTER MAX)



SINGLE POLE, DUAL THROW 40-AMP CIRCUIT BREAKERS

THE SYSTEM MASTER UNIT HAS A METER SOCKET (BUDDY BASE) ATTACHED WHERE THE LINEMAN SIMPLY PARKS THE FAULTY LEG OF THE SERVICE. BY PLUGGING IN THE METER BASE AND REPLACING THE METER, SERVICE IS RESTORED TO THE CUSTOMER, ALLOWING THE FAULTED CABLE TO BE REPAIRED AT A LATER TIME.



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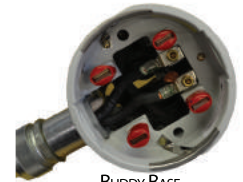
# THE RESTORE-A-PHASE

## ALLOWS A TEMPORARY RESTORATION OF SERVICE WHEN ONE CONDUCTOR OF A SECONDARY IS FAULTED

1. REMOVE THE METER FROM ITS SOCKET AND USE THE SUPER BEAST OR MEGA BEAST TO DETERMINE WHICH CONDUCTOR OR NEUTRAL IS FAULTED. ISOLATE THE FAULTED CABLE AND TAPE IT OFF. THIS WILL MAKE SURE THE R.A.P. IS NOT BACK-FEEDING THE FAULT.
2. IF POSSIBLE, HAVE THE MAIN CIRCUIT BREAKER AT THE LOAD TURNED OFF. THIS WILL ELIMINATE ARCING OF CONTACTS AND VOLTAGE SPIKES INTO THE HOUSE WHEN THE METER IS RE-INSTALLED.
3. THE MASTER UNIT HAS A METER SOCKET ADAPTOR (BUDDY-BASE) THAT WILL PLUG INTO THE CUSTOMERS METER SOCKET. THE METER CAN BE PLUGGED INTO THE BUDDY-BASE ALLOWING THE METER TO MEASURE THE POWER BEING USED.
4. THE R.A.P. HAS A NEUTRAL WIRE COMING OUT OF THE BACK OF THE BUDDY-BASE. THIS NEUTRAL CONNECTS TO THE NEUTRAL TERMINAL OF THE CUSTOMER METER BASE. ANY EXCESS NEUTRAL CAN BE TUCKED BACK INSIDE THE BUDDY-BASE.
5. THE METER CAN NOW BE INSTALLED AND LOCKED INTO THE BUDDY-BASE AND THIS WILL RESTORE POWER THAT IS BEING METERED. THE CUSTOMER'S CIRCUIT BREAKER CAN NOW BE TURNED ON. MAKE SURE THE BUDDY-BASE AND METER ARE BOTH SECURE AND LOCKED IN POSITION WITH SOME TYPE OF SEAL.
6. FOR SAFETY REASONS, A REDUNDANT GROUND SHOULD BE INSTALLED BETWEEN THE MASTER UNIT AND GROUND ROD, IF A GROUND ROD IS AVAILABLE. IF NO PERMANENT GROUND ROD IS AVAILABLE, A TEMPORARY GROUND ROD SHOULD BE DRIVEN. A GROUND BOLT HAS BEEN PROVIDED FOR THIS PURPOSE.



MASTER UNIT - OPEN FRONT



BUDDY BASE



BOOSTER UNIT



MASTER & BOOSTER UNIT

## ADDING A BOOSTER UNIT

UNLOCK THE MASTER UNITS DOOR AND RAISE THE TOP LID. TWO FOUR-PIN RECEPTACLES ARE AVAILABLE TO ADD ONE OR TWO BOOSTER UNITS. WHEN ADDING BOOSTER UNITS, MAKE SURE THE LOAD CIRCUIT BREAKER IS OFF TO AVOID SPIKING THE LINE WITH AN ARC.

PLASTIC HOLE PLUGS THAT ARE ON A SMALL CHAIN CAN BE LIFTED OUT OF THEIR NESTING PLACE ALLOWING THE BOOSTER CABLE A PLACE TO ENTER THE MASTER UNIT HOUSING. THE PLASTIC HOLE PLUG SHOULD ALWAYS BE IN PLACE WHEN A CABLE IS NOT USING THAT PARTICULAR HOLE. THE PLUG WILL KEEP SOMEONE FROM INSERTING A STICK OR SOME OTHER OBJECT INTO THE MASTER UNIT AND HURTING THEMSELVES.

THREE 40-AMP CIRCUIT BREAKERS ARE IN THE MASTER UNIT. ONE IS FOR THE MASTER UNIT AND ONE FOR EACH BOOSTER. MAKE SURE THE CIRCUIT BREAKER FOR THE MASTER AND/OR BOOSTER UNITS BEING USED ARE IN THE "ON" POSITION. A 40 AMP BREAKER WILL PROVIDE 32 AMPS CONTINUOUS SERVICE.