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# Low Voltage Bypass Tool
# USJL-007

## OPERATION MANUAL


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101 33RD STREET DRIVE SE • HICKORY, NC 28602

**⚠ WARNING**

- Carefully read and fully understand this manual prior to operating, maintaining or testing this device. Improper operation, handling or maintenance of this device can result in death, grievous personal injury and or equipment damage.
- Follow safe work procedures and practices when utilizing this device. Follow all existing codes, requirements and instructions for all equipment used in conjunction with this device.
- The Low Voltage Bypass Tool is intended for use on SECONDARY LOW LOAD ONLY. DO NOT USE on voltages greater than 240V. Contact with high voltage will cause death or grievous personall injury.
- Contact with high voltage will cause death or grievous personal injury to the operator. Only use this device in conjunction with safe operating practices around energized lines and equipment.
- Only utilize this tool while wearing appropriate rated gloves and personal protective equipment.
- The Low Voltage Bypass Tool is to be used in a temporary capacity only. Do not utilize the tool in a permanent capacity or for extended periods of time.

## Preparing the Tool for Use

1. Visually inspect the housing, cables and ferrule ends for cracks or other damage.
2. Clean both ferrule ends and the conductors around the secondary circuit region.
3. Securely fasten the required clamps to the ferrule ends.
4. Verify continuity exists between both clamps when the breaker is in the CLOSED (ON) position. Verify the continuity does not exist between both clamps when the breaker is in the OPEN (OFF) position.

## Install the Tool and Load Pick-up Operation

5. Verify the circuit breakers are in the OPEN (OFF) position.
6. Attach the low voltage bypass tool around the secondary circuit region using standard utility safety practices and procedures.
7. Flip the circuit breakers to the CLOSED (ON) position to pick-up load.


## Temporary Circuit Established

A temporary or parallel circuit has now been established. The permanent circuit can be disconnected or cut following standard safety practices and procedures while maintenance or other activates are performed.

## Perform Load Break Operation

8. Flip the circuit breakers to the OPEN (OFF) position.
9. Verify there is NO VOLTAGE and/or AMPERAGE present on the bypass tool.
10. If the temporary circuit will not be re-energized, the bypass tool may be safely removed from the secondary circuit.