Super Beast Voltage Readings

Service voltages and fluctuations may differ with each service location. Utilities are responsible for setting acceptable voltage drop standards. Accurate results may require neutral cable isolation (line side). For use on 120V service only! Most utilities use a 5-7 volt dop as indication as an indication of trouble. Each utility should set its own standard.

Always wear safety protection while operating the Super Beast. Always follow your company's safety standards.

GOOD CONDUCTORS



Left Meter: Less than 5% drop = good conductor Right Meter: Remains the same / ±1V Reading: Good Left Conductor



Left Meter: Remains the same / ±1V

Right Meter: Less than 5% drop = good conductor Reading: Good Right Conductor

PARTIALLY OPEN CONDUCTORS



Left Meter: 5-7% or Greater Voltage Drop Right Meter: Remains the same/±1V

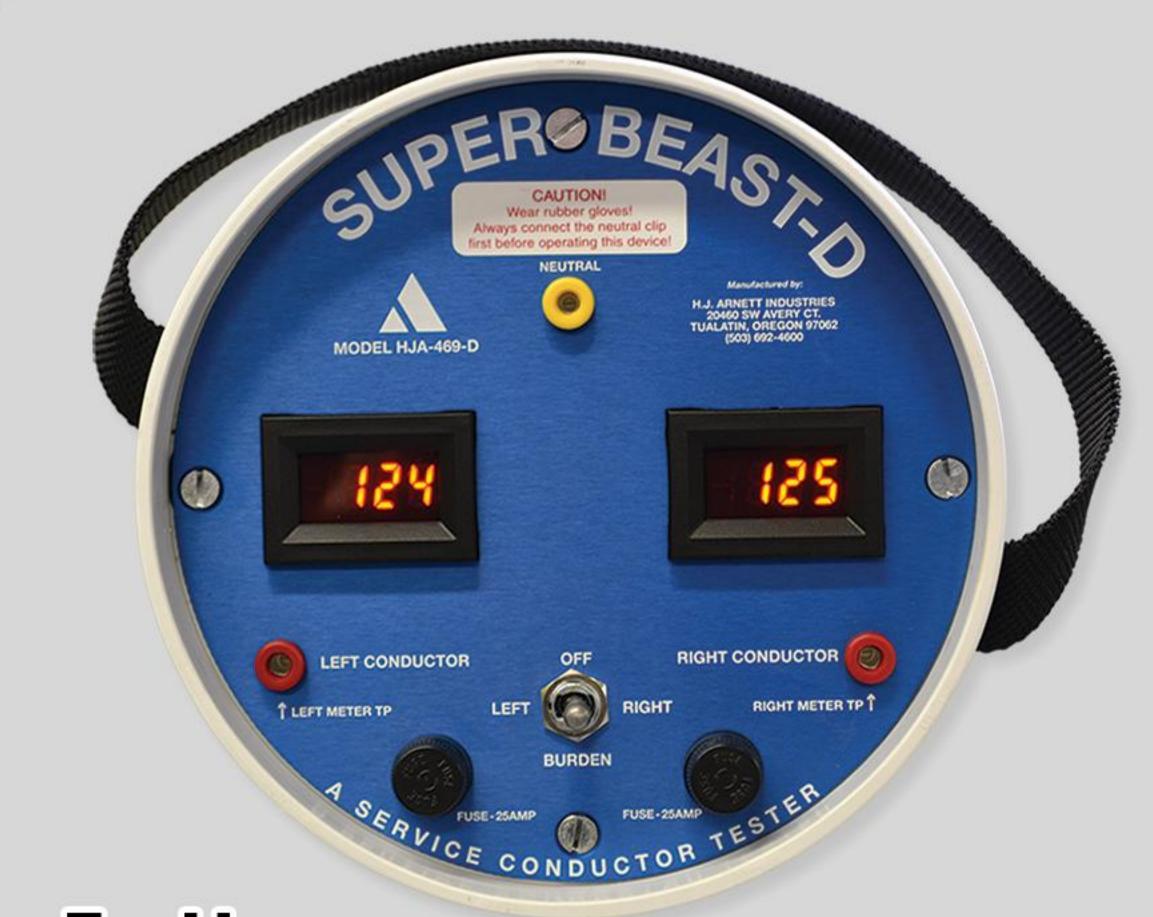
Reading: Partially Open Left Conductor



Test: Flip Switch Right

Left Meter: Remains the same/±1V Right Meter: 5-7% or Greater Voltage Drop

Reading: Partially Open Right Conductor



Ex. Unit connected to meter base SHOWING LIVE SERVICE VOLTAGE; NO LOAD

OPEN CONDUCTORS



Left Meter: Blank Reading, Nothing Shown Right Meter: Similar Readings as before, ±3V Reading: Open Left Conductor

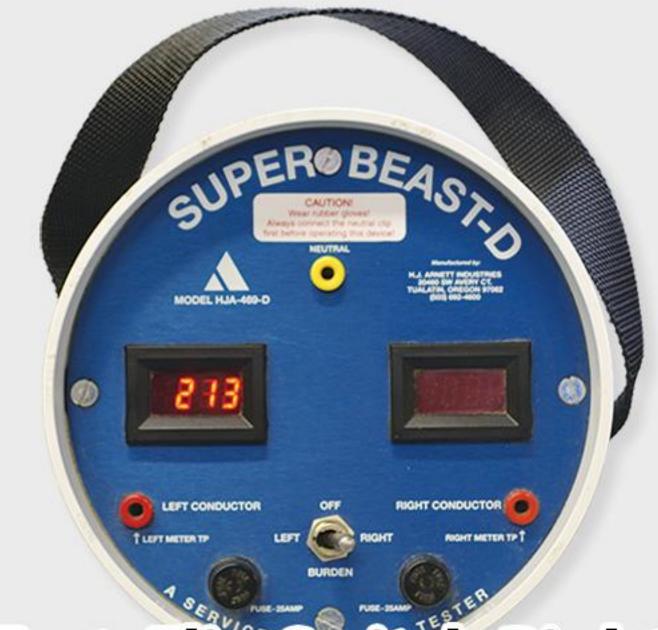


Tests Flip Switch Right Left Meter: Similar Readings as before, ±3V Right Meter: Blank Reading, Nothing Shown Reading: Open Right Conductor

FULLY OPEN NEUTRALS

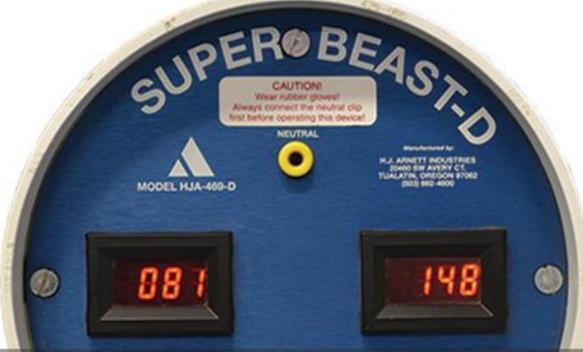


Test: Flip Switch Left Left Meter: Blank Reading, Nothing Shown Right Meter: Increases Significantly, +50V **Reading: Fully Open Neutral**



Test: Flip Switch Right Left Meter: Increases Significantly, +50V Right Meter: Blank Reading, Nothing Shown Reading: Fully Open Neutral

PARTIALLY OPEN NEUTRALS



Test: Flip Switch Left Left Meter: Drops significantly, +10V

Right Meter: Increases significantly, +10V Reading: Partially Open Left Neutral



Tests Flip Switch Right

Left Meter: Increases significantly, +10V Right Meter: Drops significantly, +10V

Reading: Partially Open Right Neutral



