

## **Engineering Specifications**

### **Branch Circuit Monitor- Split Core**

- A. The Branch Circuit Monitor shall consist of digital electronic circuitry.
- B. The Branch Circuit Monitor system shall consist of a meter and up to 42 Split-Core CTs.
- C. The Branch Circuit Monitor's Split-Core CTs shall be factory assembled.
- D. The Branch Circuit Monitor meter and included Split-Core CTs shall be calibrated together as a system.
- E. The Branch Circuit Monitor system accuracy shall be +/- 5% from 2 % to 100 % of the rated Current over a temperature range of 0-60° C.
- F. The Branch Circuit Monitor shall require no annual recalibration by users in the field.
- G. The Branch Circuit Monitor shall communicate via Modbus RTU.
- H. The Branch Circuit Monitor's Modbus RTU output shall provide information containing Current information on up to 42 branch circuits.
- I. The Branch Circuit Monitor shall offer user-selectable 2 or 4 wire RS485 connection.
- J. The Branch Circuit Monitor shall offer user-selectable addressing from 1-247.
- K. The Branch Circuit Monitor shall offer user-selectable baud rate of 2400, 4800, 9600 or 19200.
- L. The Branch Circuit Monitor shall offer user-selectable parity of None, Odd or Even.
- M. The Branch Circuit Monitor shall meet UL and cUL specifications as listed in UL508.
- N. The Branch Circuit Monitor shall provide a configurable warning alarm for all branch circuits monitored.
- O. The Branch Circuit Monitor shall provide a configurable full-alarm for all branch circuits monitored.
- P. The Branch Circuit Monitor shall be the H663-XX Series supplied by Veris Industries.
- Q. The Branch Circuit Monitor shall be CE approved.