ArtikControl™ WIC-1 Controller Specifications - Standard

Application:

The ArtikControl™ W.I.C.-1 Controller is a UL508A labeled controller primarily used in Commercial Refrigeration Walk-in Cooler units.

Electrical Summary:

- Input Voltage – 115V
- Input Power – Inline 4-amp Single pole resettable circuit breaker
- All Outputs Relay Protected – 10-Amp NC/NO Relays.
- Easily replace parts – components mounted on DIN Rail.
- 2 - Type 3 10K Ohm Temperature Sensor Inputs for Space and Coil Temperatures
- Serial RS484 Communications connections easily accessible.

Mechanical Summary:

- Operating Temperature -20°F to 240°F
- Enclosure: Totally enclosed; IP66 Rated
- Enclosure Material: Polycarbonate
- Enclosure Material: Non-Flammable, Self-Extinguishing, and Non-Halogenated
- Gasket Material: Neoprene Rope Style
- Enclosure Dimensions: Length 10.0" (254 mm) x Width 8" (203 mm) x Depth 4" (102 mm)
- Weight: 6.0 lbs.
- Display – LCD Display

Product Summary:

- Temperature Measurements every 60 seconds
- Temperature Measurements compiled in CSV Document for Record keeping.
- Ability to Graph all Temperature Measurements over 2-week period.
- Output to Control Two Speed EC Motors
- Serial RS485 Interface to connect with User Interface Website or Building Automation System.
- User Interface accessible through External Devices (Smartphone, Computer, or Tablet)
- Ethernet or Cellular Interface available
- Remote Defrost actuation operation.
- Ability to remotely control all Key set-points (7 Total) for each unit.
    - Space Temperature Setting
    - Hysteresis Setting
    - Timed or Smart Defrost Setting
    - Timed Defrost - 4 Defrost Time Ranges
    - Defrost Duration Time
    - Temperature Termination Enable/Disable
    - Temperature Termination Temperature
- Basic Setting – Accessible from the Face Plate
    - Space Temperature Set Point
    - Manual Defrost ON/OFF
    - Aux 2 Temperature Display
    - Aux 1 Temperature Display
    - Coil Temperature Display
    - Air Temperature Displace
    - Hysteresis Primary

Additional information on the backside   -   Please turn over.

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- Advanced Settings – Accessible from the Face Plate
  - Controller Type
  - Modbus Parity
  - Modbus Baud Rate
  - Modbus Address
  - Door Open Sensor delay time
  - Post Defrost Fan Delay
  - Defrost Termination Temperature
  - Defrost Temperature Termination ON/OFF
  - Defrost Duration
  - Compressor Min Run Time
  - Compressor Min Off Time
  - Intermediate Dead Band Percentage
  - Fan High Speed Percentage
  - Fan Low Speed Percentage
  - Low Speed Delay after LLS
  - Temperature Offset Aux 2
  - Temperature Offset Aux 1
  - Temperature Offset Coil
  - Temperature Offset Space
- Ability to Set Alarm Criteria through User Interface
  - Alarm Sample Size
  - Scan Frequency
  - Min Sample Quality
  - Smart Alarms Sensitivity
  - Smart Alarms Tuning
- Ability to Set Defrost parameters through User Interface
  - Defrost Sample Size
  - Minimum Defrost Period Interval
  - Max Defrost Period Interval

- Ability to Send Email and Text Alarms to Multiple Personnel
- Made in the United States