

ArtikControl™ WIF Controller Specifications - Standard

Application:

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

Electrical Summary:

- Input Voltage – 115V / 208V AC
- Input Power – Inline 4-amp double pole resettable circuit breaker
- All Outputs Relay Protected – 10-Amp NC/NO Relays.
- Easily replace parts – components mounted on DIN Rail.
- Defrost Relay Protection – 30-Amp NC/NO Relay
- 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 +120°F
- Enclosure: Totally enclosed; IP66 Rated
- Enclosure Material: Polycarbonate
- Gasket Material: Neoprene Rope Style
- Enclosure Dimensions: Length 10.0" (254 mm) x Width 8.0" (203 mm) x Depth 4.0" (102 mm)
- Weight: 6.5 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
 - Ability to Set Alarm Criteria through User Interface
 - Alarm Sample Size
 - Scan Frequency
 - Min Sample Quality
 - Ability to Set Defrost parameters through User Interface
 - Defrost Sample Size
 - Minimum Defrost Period Interval
 - Ability to Send Email and Text Alarms to Multiple Personnel
 - Made in the United States
- 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
 - Smart Alarms Sensitivity
 - Smart Alarms Tuning
 - Max Defrost Period Interval