



# INTELLIGENT CONTROLLER PLUS (IC+) SPECIFICATIONS

JOB \_\_\_\_\_

ITEM # \_\_\_\_\_

QTY. REQUIRED \_\_\_\_\_

AIA FILE # \_\_\_\_\_

SPEC # \_\_\_\_\_



### Features:

- Digital Thermometer
- Audio/Visual Temperature Alarm
- High & Low Alarm Set Points
- Energy Saving Cyclic Door Heater Control & Monitoring
- Integrated Light Switch (3-Way Capable)
- Easy to Read LCD Display
- Door Monitor (w/ Ajar Alarm & Auto Lights On/Off Capability)
- Integrated Dry Contacts
- USB Interface
- Wi-Fi Capable for HACCP & Remote Notification
- Battery Backup

### Optional Features:

- Extended Length on Standard Probe (25' or 40')
- Second Probe for Dual Compartment Monitoring (25' or 40')
- Panic Alarm w/ Internal Press Switch

### Adaptive Programming

- Controller automatically detects room temperature and adjusts settings for optimal operation.
- Settings may also be manually overridden at the end user's discretion.

### Programmable Features:

- Door Heater: Turns door heater wire control on/off.
- Door Heater Activation Temperature: Sets the temperature at which the door heater wire becomes active.
- Door Heater Operation Temperature: Sets the target temperature at which the door heater wire will operate.
- Door Heater Runtime %: Percentage of a four minute cycle that the heater wire will operate. (i.e.- 50% = 2 min. on, 2 min. off)
- Alarm High Set Point: Sets the temperature at which the high temperature alarm will sound.
- Alarm Low Set Point: Sets the temperature at which the low temperature alarm will sound.
- Alarm Time Delay: Sets the length of time a high or low temperature situation can exist before an alarm sounds, avoiding false alarms.
- Light Off Delay: Sets the amount of time the interior light can be left on before automatically being turned off.
- Temperature Units: Capable of displaying temperatures in either Celsius (C) or Fahrenheit (F) units.
- Air Temperature Offset: Temperature adjustment to compensate for probe location.

### Programmable Features Default Settings:

- Door Heater: On
- Door Heater Activation Temperature: 45° F
- Door Heater Temperature: 100° F (Cooler) / 110° F (Freezer)
- Door Heater Runtime: 35% (Cooler) / 100% (Freezer)
- Alarm High Set Point: 45° F (Cooler) / 15° F (Freezer)
- Alarm Low Set Point: 32° F (Cooler) / -25° F (Freezer)
- Alarm Time Delay: 10 min.
- Light Off Delay: ∞
- Temperature Units: Fahrenheit
- Temperature Offset: 0°

### Technical Data:

- 115V, 3.2 A (Standard Configuration)
- 5.0 A Maximum Lighting Load w/ Electronic (LED) ballast
- 1,200W Maximum Lighting Circuit Load w/ Incandescent Lights

American Panel Corporation  
Intelligent Controller Plus (IC+)

