



☐ SYSTEM 100 ☐ SYSTEM 100B
SPECIFICATIONS

JOB _____

ITEM # _____

QTY. REQUIRED _____



SCOPE: This specification covers the System 100 Walk-In Monitoring System.

Features:

- Digital Thermometer
- Audio/Visual Temperature Alarm
- High & Low Alarm Set Points
- 115V Output for External Connections
- Energy Saving Cyclic Door Heater Control & Monitoring
- Integrated Light Switch
- On-Screen Service Menus
- Fully Programmable
- 5 Digit LED Display

Optional Features:

- Interior Light Switch w/ Backlight
- Dry Contact Conversion Kit

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, helping to avoid 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: 50% (Cooler) / 75% (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, 3.2A (Standard Configuration)
- 115V Output, 1.4A(150W) for External Connections
- 9.1A Maximum Lighting Circuit Load

System 100B (In addition to System 100 features):

- Second temperature probe for monitoring two compartments
- On-Screen display cycles between each probe

AIA FILE # _____

SPEC # _____

American Panel Corporation
System 100/100B Monitoring Systems