

# SECURITAS TEMPERATURE MONITORING

## Securitas Preferred Installation Guidelines

### -80 FREEZERS

Defrost Freezer (where possible for most accurate and consistent monitoring)

1. Affix module on front of freezer and connect probe wire to one of the three ports.
2. Run probe through the port on the back side or top of exterior of freezer. Freezer caps will need to be modified to allow wire to fit through and caps to be put back into place.
3. Insert the probe into the interior compartment (compartment may need to be unscrewed) where internal freezer probe is located.
4. Run wire along outside of freezer to module and connect.
5. (Optional) Affix door sensor seals and connect wire into module port
6. (Optional) Connect power sensor into port and plug into same circuit as freezer (where applicable)

If using the tube and liquid method

1. Affix module on front of freezer and connect probe wire to one of the three ports.
2. Run probe through the port on the back side or top of exterior of freezer. Freezer caps will need to be modified to allow for wire to fit through and caps to be put back into place.
3. Fill tube with 100% Ethanol, cap, and insert probe into liquid.
4. Affix the tube on one of the interior walls of the freezer OR place tube in an open spot on shelf.
5. Run wire along outside of freezer to module and connect.
6. Follow steps 5-6 above

If installing on running freezer (not recommended)

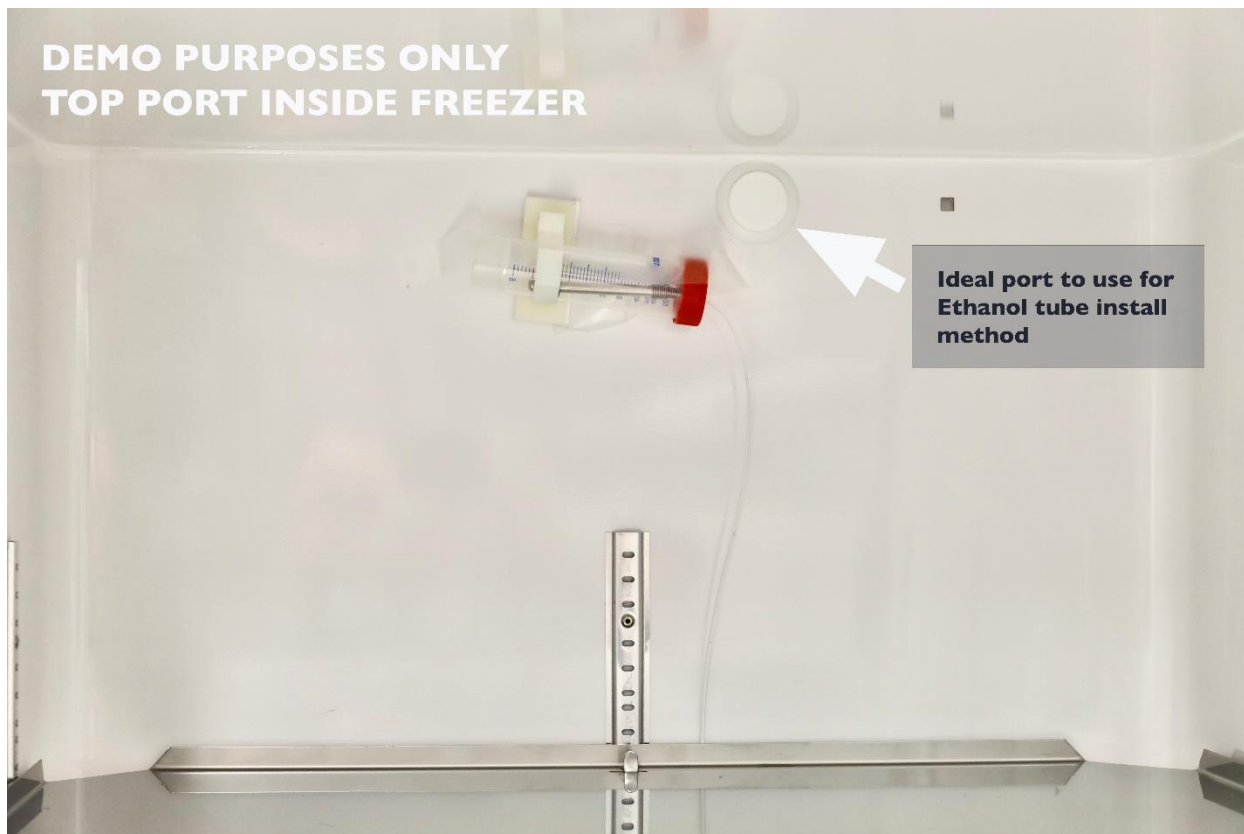
1. Affix module on front of freezer and connect probe wire to one of the three ports.
2. Run wire through crack of door (hinge end).
3. Place probe / probe in liquid in open space on shelf
4. Follow steps 5-6 from above.

Same process will occur for -20's, refrigerators, and delicas. There may not be a port, so running through the door may be only option. Probe location may vary as well. All other installation steps will be the same.

Door sensors will require some maneuvering before secured to asset or false alerts could ensue. Typical gap is beyond 1" separation. Sensor contacts location may vary based on asset type.

For liability reasons, it is lab responsibility to install. Outsourcing installation to an outside entity, such as Alert Scientific, is an option and at the discretion and responsibility of the lab.

**DEMO PURPOSES ONLY  
TOP PORT INSIDE FREEZER**



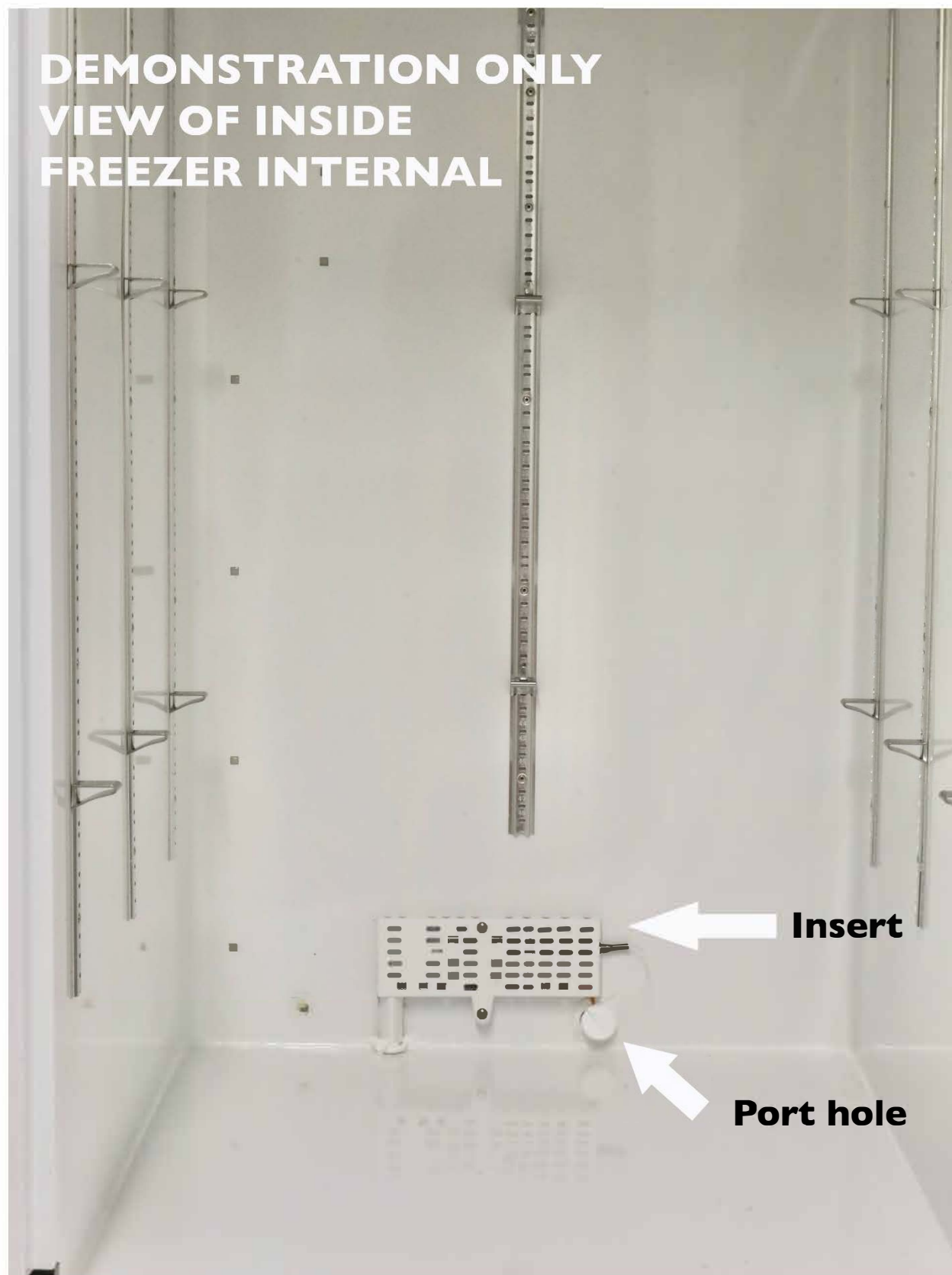
**Ideal port to use for  
Ethanol tube install  
method**

**DEMO PURPOSES ONLY  
BACKSIDE FREEZER PORT FOR BOTTOM HALF  
FREEZER PROBE INSTALL**



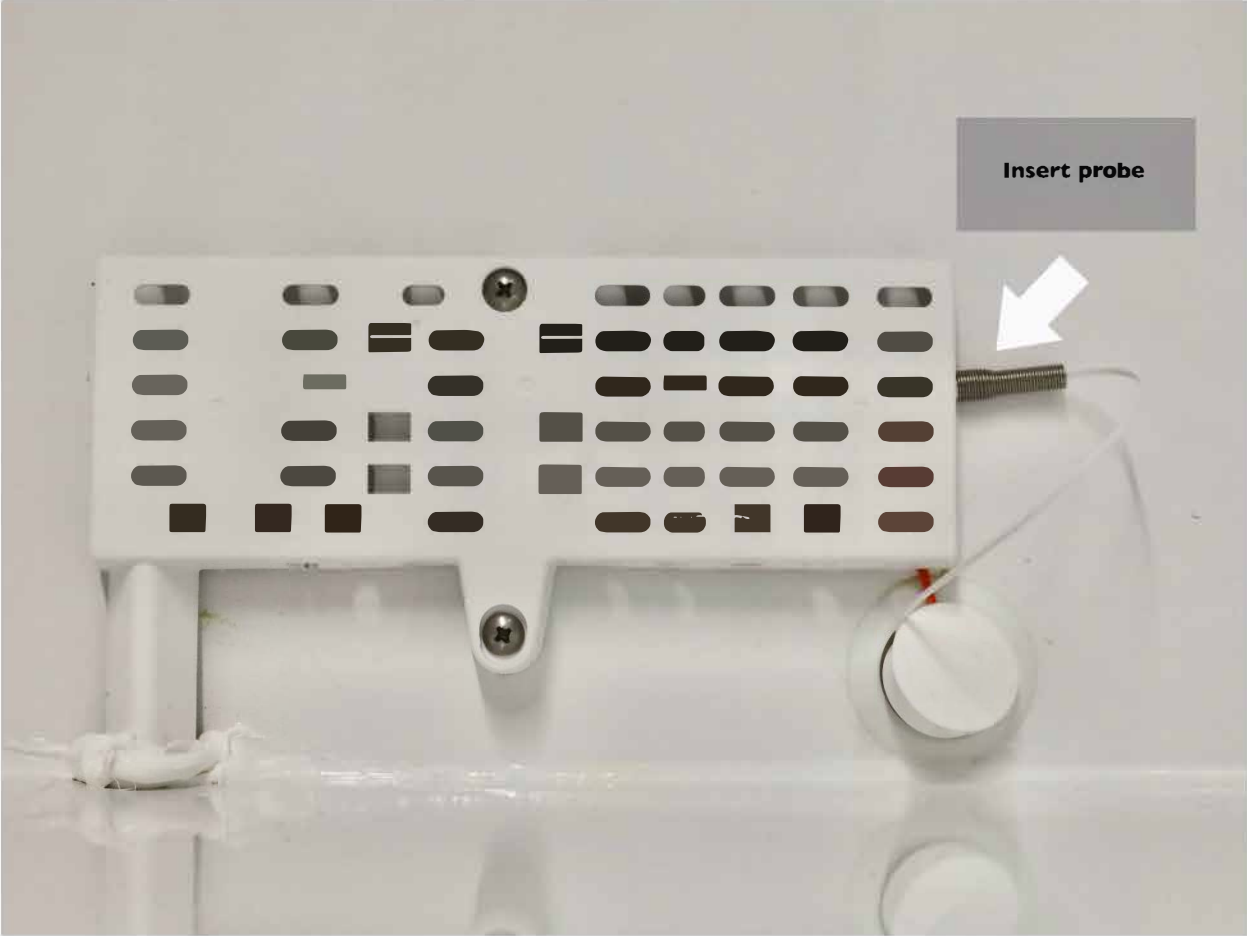
**CAUTION** - Risk of fire or explosion. Flammable refrigerant used. Only by trained service personnel. Do not puncture refrigerant system.  
**CAUTION** - This unit is intended for use in laboratories or institutional occupancies as defined in the safety standards of ASHRAE 15.  
**CAUTION** - Risk of fire or explosion. Flammable refrigerant used. Do not puncture refrigerant system.  
**CAUTION** - Risk of fire or explosion. Flammable refrigerant used. Do not puncture refrigerant system. Read the manufacturer's guide before attempting to install. Precautions must be followed.

**DEMONSTRATION ONLY  
VIEW OF INSIDE  
FREEZER INTERNAL**



**Insert**

**Port hole**

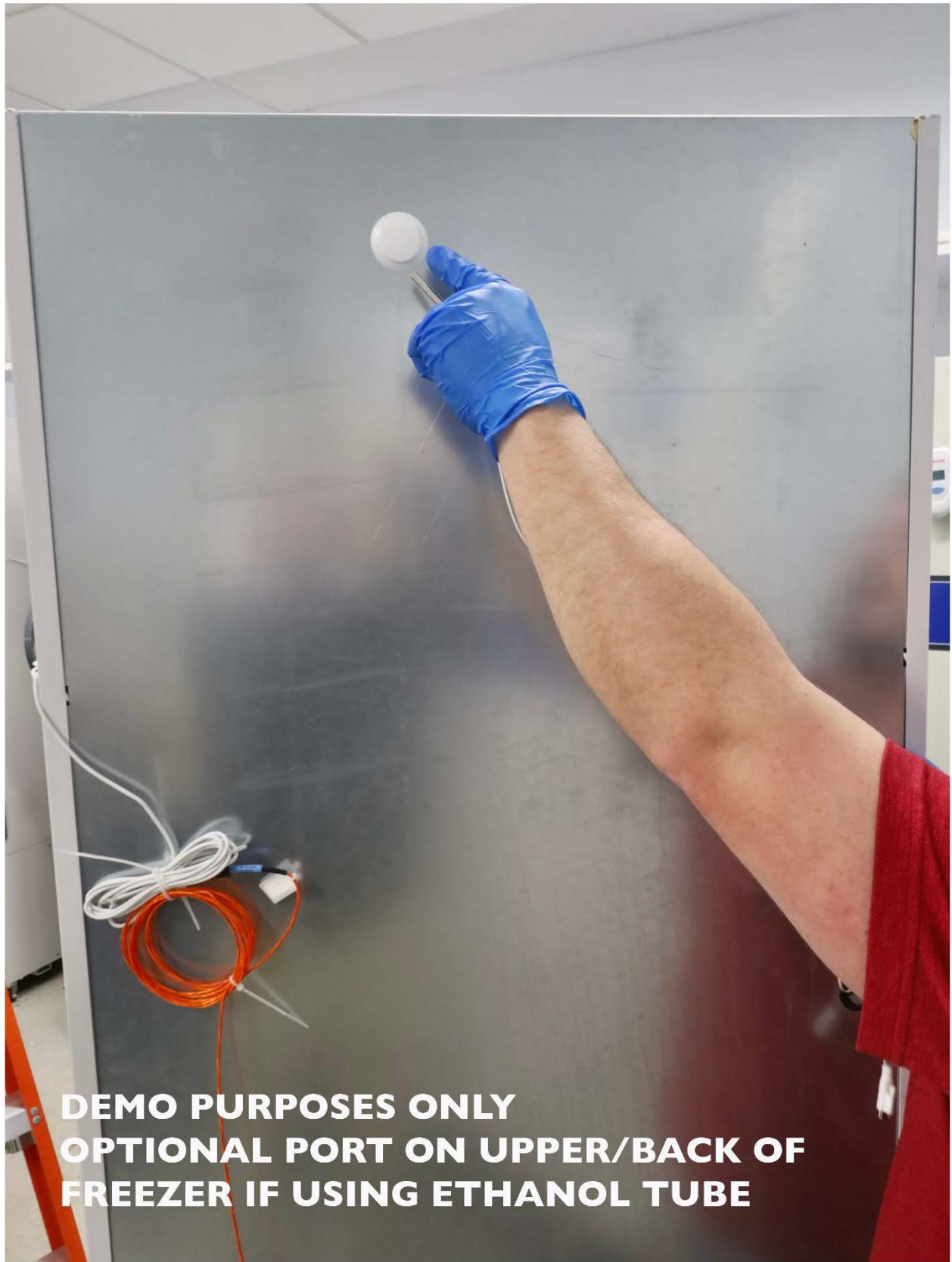


Insert probe



**CLOSE UP VIEW**





**DEMO PURPOSES ONLY  
OPTIONAL PORT ON UPPER/BACK OF  
FREEZER IF USING ETHANOL TUBE**

**DEMO PURPOSES ONLY**  
**Connecting Door Sensor Wires**

- 1. Loosen screws**
- 2. Insert wires**
- 3. Tighten screws**



**DOOR HANDLE**  
**Door Sensor Location Option**





**DEMO PURPOSES ONLY**  
**Door Sensor Location Option**



**DEMO PURPOSES ONLY**  
**Door Sensor Location Option**

