

**Equipment ID: Lab-11**  
**Thermo Scientific Revco 4.9 cf**  
**Under-Counter**  
**Laboratory Freezer**  
**Model ULT430A**

**Features of the ULT430A**

Includes Door Lock and 3 Shelves

In a series of the finest and highest quality freezers for -30°C use

Ideal for Plasma, Test Samples, Reagents, Pharmaceuticals, Biologicals, Vaccines, Pre-Freezing, General Storage

Heavy duty, industrial-grade, hermetically sealed compressors

Automatic defrost maintains optimum cooling capacity

Automatic condensate removal; no drain lines required

High-density, CFC-free urethane foam insulation protects cabinet from ambient temperature fluctuations and minimizes operating costs

Positive, forced-air circulation maintains temperature uniformity at all shelf levels

Directional air flow assures quick recovery after door openings

Solid door with keyed door lock for added security, full-length door handles, self-closing against closed-cell peripheral gasket











Epoxy-coated, open wire shelves, adjustable in 1" increments; no tools required

Scratch resistant painted interior and exterior finish for easy cleaning

1" access port

Accessories	<b>3 Shelves, Door Lock</b>
Temp Range	<b>-30°C Constant Temperature</b>
Size	<b>4.9 Cubic Feet</b>
Dimensions	<b>33.4"H x 24"W x 26"D</b>
Interior	<b>20"H x 20"W x 20"D</b>
Defrost	<b>Auto</b>
Door Type	<b>Single, Solid</b>
Weight	<b>212 lbs</b>
Warranty	<b>2-Year Parts and Labor</b>
Voltage	<b>115V - Plugs into standard wall outlet</b> <b>Other voltage available upon request</b>

**Alarms and Systems**

Event	Audible Alarm	Visual Alarm						Self Corrected Event	Remote Alarm Contacts Activated	
Overtemperature	continuous								slow flash, icon only	yes
Undertemperature	continuous								slow flash, icon only	yes
Power Loss	continuous								slow flash, icon only	yes
Door Ajar	delay									no
Low Battery	no									no
Service Required	no									no

Advanced Microprocessor control system manages setpoint and actual conditions to provide the highest level of security for the stored product

Icon-based controls and displays include graphic references for universal operation

Setpoint security with key-operated triple-position master switch controls power to all systems for added safety

Audible/visual warnings for overtemperature, undertemperature and power failure, with visual status reports on critical functions

Graphic thermometer confirms proper operation at-a-glance, shows normal, high or low temperature condition; steady green for normal, flashing top bar for overtemperature, flashing bulb for undertemperature

Advanced defrost sensor manages the defrost cycle, minimizing trace amounts of frost build-up to maintain refrigeration coil efficiency

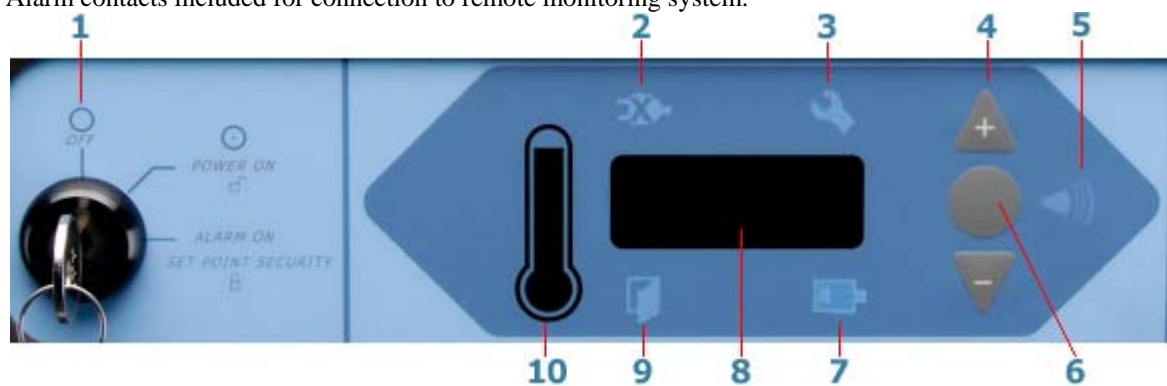
Enlarged digital display, resolution to within 0.1°C, improves visibility

Alarm silence, ringback and automatic reset functions

Push button alarm test verifies sensor continuity

Battery backup assures control panel function during power failure

Alarm contacts included for connection to remote monitoring system.



**1 Setpoint Security** Key-operated triple position switch for main power and alarm; locks in temperature and alarm setpoints to minimize setpoint error and prevent tampering

**2 Power Failure Icon** Illuminated when main power is interrupted

**3 Service Required** Illuminated when controller is in programming mode, or if simulated warm or cold conditions fail to occur during alarm test function

**4 Touchpad Data Entry** Increases or decreases setpoint values in programming mode

**5 Audible Alarm** Audible and visual indicators are activated in the event of warm, cold or power loss conditions. Mute will silence audible alarm with 6 minute ring back interval; display remains flashing

**6 Touchpad Scan** Changes main display; also used to access various programming and service functions (alarm mute, recall 6 minutes)

**Alarm Test** Pressing "up" and "scan" buttons creates simulated overtemperature and undertemperature condition and activates audible and visual alarms; display flashes momentarily when test is complete

**7 Battery Backup** Continuous charge provides full alarm function in case of power failure

**Low Battery Alarm** Illuminated when the alarm system battery backup charge is low

**8 Digital Display** Resolution to within 0.1°C, indicates cabinet temperature during normal operation, flashes during alarm condition or setpoint adjustment, displays other values with touchpad sequence

**9 Door Ajar** Illuminated when door is left open and alarm is in "active" mode (not available on sliding glass door cabinet)

**10 Graphic Thermometer** Easy to view, shows normal, high or low temperature condition; steady green for normal, flashing top bar for overtemperature, flashing bulb for undertemperature