

# The LuxPro® Imprint Program

What's the most important name on any thermostat? It's not the brand name. It's the installer's name that matters. A thermostat that bears the name of the installing contractor is a powerful marketing tool that can help maintain the business relationship after the initial sale. LuxPro can personalize any thermostat for virtually any application. There are no set-up fees and minimum quantities are surprisingly low. From logotype design to final packaging, LuxPro can help get you started with your own private brand.



*For immediate response to **LUXPRO** ordering and pricing inquiries, call **856-234-7905**, press 4, and ask for your LuxPro expert.*

## Special Contractor Techline

**LUXPRO Technical Support: 856-234-8803, press 7**

If a tech is not available at the time, leave a message and your call will be returned within 15 minutes.

**For individual Spec Sheets and  
Installation / Operating Manuals,**  
please visit <http://www.luxproproducts.com>.



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# LUXPRO®



## Thermostats and Accessories

# LUXPRO® Pro-Fit Series Thermostats



## PSP722E and PSD122E Everything 'Stat®

### Universal Replacement Deluxe Thermostats

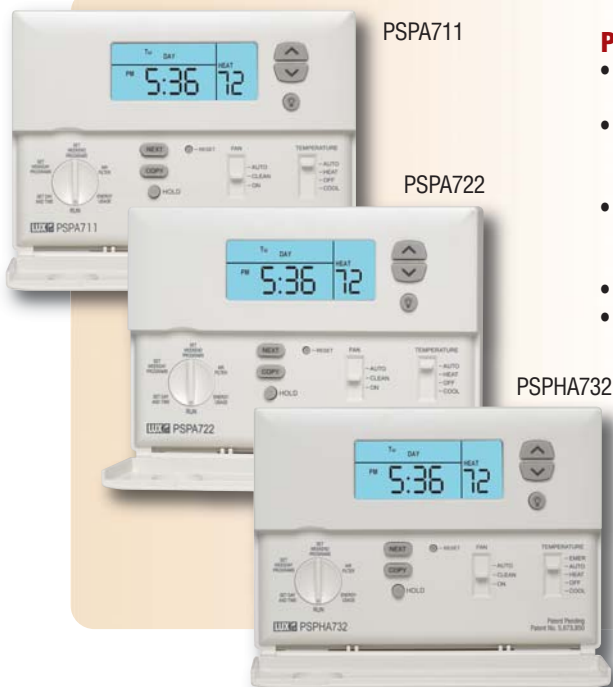
**Profile:** Universally compatible Everything 'Stat® offering highly accurate, **fully programmable** temperature control of single or multistage heating and cooling systems.

#### Compatibility:

- Most 24V Heating and A/C Systems
- Up to 2 Stage Heat / 2 Stage Cool: Gas, Oil, or Electric (non Heat Pump) Systems
- Up to 3 Stage Heat / 2 Stage Cool: Heat Pumps
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

#### Features:

- Universal Compatibility
- Replaces Almost Every System Control
- Controls Auxiliary and Emergency Heat
- System Powered with Battery Backup, or Battery Powered (batteries included)
- Auto or Manual Changeover
- Adjustable 1-5 Minute A/C Compressor Delay
- Emergency and Auxiliary Heat Indicators
- Energy Usage Monitor
- Large, Hybrid Dot-Matrix Display
- Luxlight® EL (Electro Luminescent) Display
- Filter Monitor
- Clean Cycle® Programmable IAQ Intermittent Fan (Patent No. 6,988,671)
- Battery Free Memory For All Programs and Settings
- Advanced Keyboard Lockout
- User Programmable 3 Digit Lock Code
- Programmable High And Low Setting Limits
- Defeatable Audible Button Response
- Menu Driven Setup Done From The Front Panel
- Temperature Offset (User Calibration)
- Multi-Stage Adj. Temperature Differential
- Programmable Length Minimum Run Time
- Programmable Auto-Changeover Dead-Band
- Residual Fan Delay and Fan Overrun
- O and B Terminals
- 3-Year Warranty



#### PSPA711 Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

#### PSPA722 Compatibility:

- Most 24V Heating and A/C Systems
- Up to 2 Stage Heat / 2 Stage Cool: Gas, Oil, or Electric (non Heat Pump) Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

#### PSPHA732 Compatibility:

- Up to 3 Stage Heat / 2 Stage Cool: Heat Pump Systems
- Will Operate Auxiliary and Emergency Heat

#### Features:

- 7-Day Programming
- 4 Periods Per Day
- Auto or Manual Changeover
- Exclusive Lux Speed Dial® - Makes Reprogramming Easy
- System or Battery Powered with Battery Free Memory Storage (batteries included)
- Keyboard Lockout
- Filter Monitor
- Temporary Temperature Override (Residential CAT24 Compliant)
- Manual Hold
- Adjustable 2 or 5 Minute A/C Compressor Delay
- Energy Usage Monitor
- Luxlight® EL (Electro Luminescent) Display
- Clean Cycle® Programmable IAQ Intermittent Fan (Patent No. 6,988,671)
- O and B Terminals
- 3-Year Warranty

## Auto Changeover Series

### Deluxe Programmable Thermostats

**Profile:** Fully programmable, digital thermostat with auto changeover for control of single stage heating and cooling systems.

# LUXPRO® Deluxe Programmable Thermostats



## PSP711TS

### Touch Screen, 7-Day Deluxe Programmable Thermostat

**Profile:** Easy to use, fully programmable, touch screen thermostat for single stage heating and cooling systems.

#### Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

#### Features:

- 7-Day Programming
- 4 Periods Per Day
- Smart Recovery Selectable
- Large, Easy-to-Read, Display
- Manual Hold
- Touch Screen Lockout Code
- Adjustable 2 or 5 Minute Delay
- Audible Keypad Entry Response
- Filter Monitor
- Luxlight® EL (Electro Luminescent) Display
- Energy Usage Monitor
- Temporary Temperature Override
- F / C Temperature Display
- 12 / 24 Hour Clock
- System Powered with Battery Backup or Battery Powered (batteries included)
- O and B Terminals
- Battery Free Memory For All Programs and Settings
- 3-Year Warranty



## PSP721U

### 7-Day Deluxe Programmable Thermostat

**Profile:** Easy to use programmable thermostat (each day of the week can be programmed separately) for heating and cooling systems.

#### Compatibility:

- Most 24V Heating and A/C Systems
- Up to 2 Stage Heat / 1 Stage Cool: Gas, Oil and Electric Systems
- Up to 2 Stage Heat / 1 Stage Cool Heat Pump Systems
- Will Operate Auxiliary and Emergency Heat
- 2 & 3 Wire Hydronic Systems (Hot Water Baseboard & Radiators)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

#### Features:

- Each day can be programmed differently
- 3-Wire Zone Valve Compatible
- 4 Periods per day - Morning, Day, Evening, Night
- Quick Copy Programming - copy any daily program and repeat it on any other day(s) of the week
- Exclusive Lux® Speed Dial® for easy programming
- Lighted Display
- Filter Monitor
- Programmable Keypad Lock (10,000 different codes)
- Smart Recovery Selectable
- Manual Hold
- Temporary Temperature Override
- Easy Installation



## PSPU721T and PSPU732T Universal

### Touch Screen, 7-Day Deluxe Programmable Thermostats

**Profile:** Easy to use programmable thermostat (each day of the week can be programmed separately for heating and cooling systems).

#### PSPU721T Compatibility:

- Up to 2 Stage Heat / 1 Stage Cool: Gas, Oil, and Electric Systems
- Up to 2 Stage Heat / 1 Stage Cool: Heat Pump & Dual Fuel Systems

#### PSPU732T Compatibility:

- Most 24V Heating and A/C Systems (with Common Wire)
- Up to 2 Stage Heat / 2 Stage Cool: Gas, Oil, and Electric Systems
- Up to 3 Stage Heat / 2 Stage Cool: Heat Pump & Dual Fuel Systems

#### Features:

- Large, dot-matrix TRUE TOUCH-SCREEN with adjustable contrast
- 7-DAY PROGRAMMABLE with 4 events per day and a COPY option for each day
- User Selectable Programmable or Non-Programmable (Manual) Operation
- Patented ENERGY WATCH, monitors the KWh consumption and dollar cost of operating the HVAC system
- FILTER MONITOR feature indicates when to change the air filter
- INSTALLER MESSAGE provides a handy reminder for service or contact in case of a heating or cooling emergency
- SECURITY feature prevents operating thermostat without entering 4-digit PIN
- AUTOMATIC CHANGEOVER mode - no need to manually switch between heating or cooling
- DEHUMIDIFICATION (PSPU732T only)
- AUTOMATIC HUMIDITY CONTROL (PSPU732T only) based upon outdoor temperature\*\*
- DUAL FUEL capable - switch-over to fossil fuel heating and increase energy efficiency and savings\*\*

\*\* (When used with the optional wireless temperature and receiver kit, Model No. WTR064)

### OPTIONAL OUTDOOR WIRELESS TEMPERATURE TRANSMITTER AND RECEIVER KIT - Model No. WTR064

Accurately Displays Current Outdoor Temperature and Enables Dual Fuel Capability on the LUXPRO® PSPU721T / PSPU732T Thermostats



Developed by: AED Electronics, Inc. MADE IN CHINA  
PATENTS: 7,185,825; 7,156,318; 7,145,110; 7,050,026; 7,028,912; 6,902,117; 6,786,421;  
Other Patents Pending



## The LuxPro® Promise

At Lux Products Corporation, we are dedicated to bringing our customers the best line of thermostats, today and well into the future. Our entire line of over thirty programmable, digital, and mechanical thermostats are designed to be a reliable, simple and precise part of our customers' lives, so that everyone can enjoy the benefits and comforts of advanced temperature control.

# LUXPRO® Deluxe Programmable Thermostats



## P621U

### 5-1-1 Day Deluxe Universal Programmable or Non-Programmable Thermostat

**Profile:** Easy to use programmable or non-programmable thermostat (separate Weekday, Saturday, and Sunday) for heating and cooling systems.

#### Compatibility:

- Universal Compatibility for Conventional Heat & A/C and Heat Pumps with Up to 2-Stage Heat / 1 Stage-Cool
- 2 & 3 Wire Hydronic Systems (Hot Water Baseboard & Radiator)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

#### Features:

- Weekdays, Saturday & Sunday Can Be Different (2 or 4 periods/day)
- Large Display with Backlight
- Adjust. Heating and Cooling Limits
- Keyboard Lockout
- Comprehensive Graphical Filter Monitor
- Selectable Smart Recovery
- Dual Powered (2 AA Batteries Included)
- User Selectable Programmable or Non-Programmable (manual) Operation
- Manual Temperature Hold
- Temporary Temperature Override
- Adjustable Temp. Differential Cycle Rate
- Adjustable 2nd Heat Stage Offset Setting
- User Temperature Calibration (+/- 5°F degrees)
- 5 / 2 Minute Selectable Time Delay
- Battery Free Memory Storage
- 12 / 24 Hour Clock Display
- 3-Year Warranty



## P521U

### 5-2 Day Deluxe Universal Programmable or Non-Programmable Thermostat

**Profile:** Easy to use programmable or non-programmable thermostat (separate weekday and weekend) for heating and cooling systems.

#### Compatibility:

- Universal Compatibility for Conventional Heat & A/C and Heat Pumps with Up to 2-Stage Heat / 1 Stage-Cool
- 2 & 3 Wire Hydronic Systems (Hot Water Baseboard & Radiator)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

#### Features:

- Separate Weekday and Weekend Programs (2 or 4 periods/day)
- Large Display with Backlight
- Adjust. Heating and Cooling Limits
- Keyboard Lockout
- Programmable Air Filter Monitor
- Selectable Smart Recovery
- Dual Powered (2 AA Batteries Included)
- User Selectable Programmable or Non-Programmable (manual) Operation
- Manual Temperature Hold
- Temporary Temperature Override
- Adjustable Temp. Differential Cycle Rate
- Adjustable 2nd Heat Stage Offset Setting
- User Temperature Calibration (+/- 5°F degrees)
- 5 / 2 Minute Selectable Time Delay
- Battery Free Memory Storage
- 12 / 24 Hour Clock Display
- 3-Year Warranty



## PSP511LC

### 5-2 Day Deluxe Programmable Thermostat

**Profile:** Easy to use programmable thermostat (separate weekday and weekend) for heating and cooling systems.

#### Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers

#### Features:

- Exclusive Lux Speed Dial® - Makes Reprogramming Easy
- 5-2 Programming
- Separate Weekday and Weekend Programming
- 4 Periods Per Day
- Separate Programs for Heating and Cooling
- Keyboard Lockout
- Manual Hold
- Large, Easy-to-Read, Liquid Crystal Display
- Luxlight® EL (Electro Luminescent) Display
- Soft Touch Buttons
- 5 Minute Compressor Delay
- User Temperature Calibration
- Temporary Temperature Override
- F / C Temperature Display
- 12 / 24 Hour Clock
- System or Battery Powered (batteries included)
- Battery Free Memory Storage
- On Screen Low Battery Indicator
- Programmable Filter Timer with Filter Change Indicator
- O and B Terminals
- 3-Year Warranty



## PH521

### 5-2 Day Deluxe Programmable or Non-Programmable Thermostat

**Profile:** Easy to use programmable or non-programmable thermostat (separate weekday and weekend) for 1 or 2 stage heating and 1 stage cooling heat pump systems.

#### Compatibility:

- Up to 2 Stage Heat / 1 Stage Cool: Heat Pump Systems
- Will Operate Auxiliary and Emergency Heat

#### Features:

- Separate Weekday and Weekend Programs
- Preprogrammed – 4 periods per day
- User Selectable Programmable or Non-Programmable (Manual) Operation
- Programmable (4 digits) keyboard lock
- Adjustable heat / cool temperature limits
- Dual Power – 2 AA batteries included
- Backlight Display
- Celsius or Fahrenheit
- Temperature Hold
- Temporary Temperature Override
- Temporary Compressor Protection Bypass (service mode)
- Adjustable Temperature Swing 1-9
- Temperature Calibration (+/- 5°F) Feature
- Dual Fuel Operation
- 3-Year Warranty





## PSD111 and PSDH121 Multi-Positional Heating and Cooling Thermostats

**Profile:** Multi-positional, Non-programmable digital thermostat.

### PSD111 Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

### PSDH121 Compatibility:

- Up to 2 Stage Heat / 1 Stage Cool: Heat Pump Systems
- Will Operate Auxiliary and Emergency Heat

### Features:

- Multi Positional – Vertical or Horizontal Mounting
- Electronic Accuracy
- Large, Easy-to-Read Digital Display
- Luxlight® EL (Electro Luminescent) Display
- System or Battery Powered (batteries included)
- Optional Wall Plate Available
- 5 or 2 Minute Delay
- Low Battery Indicator
- F / C Temperature Display
- O and B Terminals
- Display Temperature User Calibration
- 3-Year Warranty



## Pro-Spec™ Series System Powered Digital Thermostats

**Profile:** Digital Electronic Non-Programmable thermostat for heating and cooling systems.

### PSD011W Compatibility:

- Most 24V Heating and A/C Systems (With Common Wire)
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers

### PSD011B Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

### PSDH021W Compatibility:

- Most 24V Heat Pump Systems (With Common Wire)
- Single Stage and 2 Heat / 1 Cool: Heat Pumps

### PSDH021B Compatibility:

- Most 24VAC Heat Pump Systems
- Single Stage and 2 Heat / 1 Cool: Heat Pumps

### PSD010B Compatibility:

- 24V 2 Wire Heating Only Systems
- 1 Stage Heat Gas or Oil Systems With No Fan
- 2 Wire Heat Hydronic System (Hot Water, Baseboard & Radiator)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

### PSD010BF Compatibility:

- Most 24V Heating Systems
- 1 Stage Heat Only: Gas, Oil or Electric (Non Heat-Pump) Systems
- 2 Wire Heat Only Hydronic Systems (Hot Water, Baseboard & Radiator)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

### PSD022B Compatibility:

- Most 24V Heating and A/C Systems
- Up to 2 Stage Heat / 2 Stage Cool: Gas, Oil, Electric Heating and Air Conditioning Systems
- Single Stage Heat Pumps
- 2 Wire Heat Only Hydronic Systems (Hot Water, Baseboard & Radiator)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)

### Features:

- Large LED Illuminated Digital Display
- Attractive Slim Design
- Adjustable Temperature Stops
- Soft Touch Buttons
- Default Set Temps: 65°F Heat / 78°F Cool
- F / C Temperature Display
- 5 Minute Delay
- Easy Installation
- Optional Wall Plate Available
- O / B Terminal
- 3-Year Warranty
- "W" suffix models are system powered and require Common wire; "B" suffix models are battery powered (batteries included).



## PSM30SA and PSM40SA Mechanical Snap-Action Thermostats

**Profile:** Mechanical snap-action thermostats for heating and cooling systems.

### Compatibility:

- 1 Stage Heat Only: 2-Wire Gas or Oil Systems (PSM30SA)
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, Electric, or Single Stage Heat Pump Systems (PSM40SA)
- Systems with Built In Time Delays (PSM40SA)
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

### Features:

- Clean Attractive Design
- Snap-Action Mechanism
- Adjustable Heat Anticipator
- O and B Terminals (PSM40SA)
- PSM30SA Heating Only Snap Action
- PSM40SA 1 Heat / 1 Cool Snap Action
- 3-Year Warranty



## PSM200SA and PSM400SA Mechanical Snap-Action Thermostats

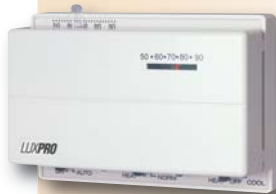
**Profile:** Mechanical snap-action thermostats for heating (PSM200SA) and heating and cooling (PSM400SA) systems.

### Compatibility:

- 1 Stage Heat Only: 2-Wire Gas or Oil (non Heat Pump) Systems (PSM200SA)
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, or Electric (non Heat Pump) Systems (PSM400SA)
- Systems with Built In Time Delays
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 2 Wire Hydronic Air Handlers
- Millivolt Systems

### Features:

- Horizontal Style
- Clean, Attractive Design
- Snap-Action Switch Mechanism
- Adjustable Heat Anticipator
- PSM200SA Heat Only
- PSM400SA Heating and Cooling
- 3-Year Warranty



## PSMH45 Mechanical Thermostat 2 Stage Heat, 1 Stage Cool Heat Pump

**Profile:** Mercury bulb mechanical thermostat with adjustable second stage heat anticipator for 2 stage heat, 1 stage cool heat pump systems.

### Compatibility:

- Up to 2 Stage Heat / 1 Stage Cool: Heat Pump Systems
- Will Operate Auxiliary and Emergency Heat

### Features:

- Horizontal Style
- Clean Attractive Design
- Mercury Bulb Accuracy
- Adjustable, Second Stage Heat Anticipator
- Emergency Heat Position with Indicator Light
- Auxiliary Heat Indicator Light
- 3-Year Warranty



## PSM010 and PSM011 Mechanical Thermostat

**Profile:** Non-Programmable thermostat for heating only systems.

### Compatibility:

- Most 24V Heating and A/C Systems
- 1 Stage Heat / 1 Stage Cool: Gas, Oil, or Electric (Non Heat Pump) Systems (PSM011)
- 2 Wire Heat Only Hydronic Systems (Hot Water Baseboard & Radiator)
- 1 Stage Heat Only (PSM010)

### Features:

- Push Button Back Light
- Soft Rubber Set Temperature Ring
- Large Easy To Use Mode Switch
- Easy Installation
- Needs No Batteries
- Contains No Mercury
- 3-Year Warranty

## LUXPRO® Line Voltage Thermostats



### PSP512

#### Single or Double Pole Line Voltage Programmable Thermostat

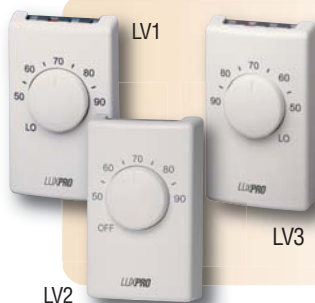
**Profile:** Easy-to-use programmable thermostats (weekday and weekend programming) for line voltage heating systems.

#### Compatibility:

- 1 Stage Heat Only: 120/240 VAC Single or Double Pole Applications
- Baseboard, Ceiling Cable and Other Radiant Heating Systems

#### Features:

- Exclusive Lux Speed Dial® - Makes Reprogramming Easy
- Weekday and Weekend Programming
- Heat On / Off Switch
- 4 Periods Per Day
- Large, Easy-to-Read Display
- Manual Hold
- Temporary Temperature Override
- System Cycle Adjustment
- 3-Year Warranty



### LV1, LV2 and LV3 Line Voltage Mechanical Thermostats

**Profile:** Mechanical thermostats for line voltage heating and cooling systems.

#### Compatibility:

- 1 Stage Heat Only: Single Pole 120/240 VAC Systems (LV1)
- 1 Stage Heat Only: Double Pole 120/240 VAC Systems (LV2)
- 1 Stage Cool Only: Single Pole 120/240 VAC Systems (LV3)

#### Features:

- Contains No Mercury
- Easy to Install and Use
- Clean Attractive Design
- 3-Year Warranty



### PSP300

#### 5-2 Day Programmable Outlet Thermostat

**Profile:** Easy to use programmable outlet thermostat for window air conditioners and portable space heaters.

#### Compatibility:

- Window Air Conditioners – 120 VAC, 15 Amp Plug
- Electric Space Heaters – 120 VAC, 15 Amp Plug

#### Features:

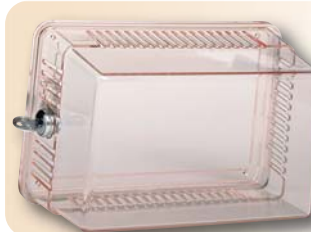
- Designed for Window Air Conditioners and Portable Space Heaters - 120 Volt 15A Units
- 4 Periods Per Day
- ETL Approved
- Exclusive Lux Speed Dial® - Makes Reprogramming Easy
- 120VAC Outlet Powered
- 3-Year Warranty

## LUXPRO® Locking Thermostat Guards



### BB2001-005

9½" (240 mm) wide/width  
5¾" (146 mm) tall/height  
4" (100 mm) deep/depth



### BB3001-004

6¾" (172 mm) wide/width  
5⅞" (149 mm) tall/height  
3¼" (83 mm) deep/depth

### BB2001-005 (small), BB3001-004 (large) Locking Thermostat Guards

Whether your customer is looking for additional assurance or needs to deter tampering with settings, thermostat locking guards provide the protection desired. Made of strong, durable plastic, these guards come in two sizes to fit all thermostats. Perfect for applications such as offices, rental properties and warehouses, the LuxPro thermostat guards limit unwanted access and eliminate accidental fluctuations when someone bumps into the thermostat.

#### Features:

- Fits All Thermostats
- Two Sizes
- Limits Unwanted Access
- One Key Included
- Tamper Resistant
- Strong, Durable Plastic

**LUXPRO®**

[www.luxproproducts.com](http://www.luxproproducts.com)

## System Specifications & Operational Features

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