

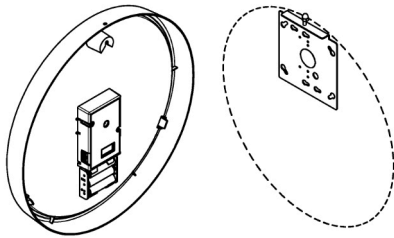
TimeCast™ System Setup

This clock is part of a wireless network, follow the TimeCast™ Clock System Setup Guide (Bulletin C-620) to ensure proper synchronization of the entire clock system! Verify that the correct time appears onscreen on the back of each clock to make sure it has successfully connected to the clock system.

To view the System Setup Guide and all related documentation, visit the TimeCast™ Analog Clock product page on our website at www.natsco.net

Also, check out our installation videos on the National Time and Signal YouTube channel.

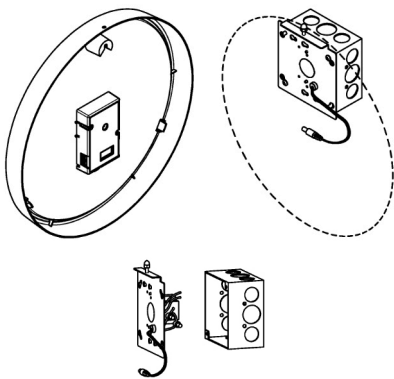
Mounting Instructions



Standard Surface Bracket Mounted to Wall

Case Styles: 12" Surface ABS
12", 16" Low Profile Steel

The Standard Surface Bracket is included with all *Surface* and *Low Profile Surface* clocks. Mount the bracket to the wall using wall anchors appropriate for the wall construction. Mount the bracket at the desired height for the top of the clock case. Leave a minimum of 4" to the ceiling to allow installation of the acorn nut.

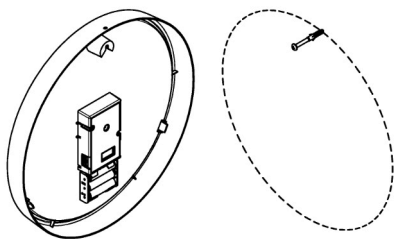


Standard Surface Bracket Mounted to Electrical Box

Case Styles: 12" Surface ABS
12", 16" Low Profile Steel

The Standard Surface Bracket is included with all *Surface* and *Low Profile Surface* clocks. The bracket mounts to a securely mounted handy, single gang, double gang, or 4 square electrical box. For 24V clocks, secure the barrel connector wires to the Surface Bracket using the provided strain relief.

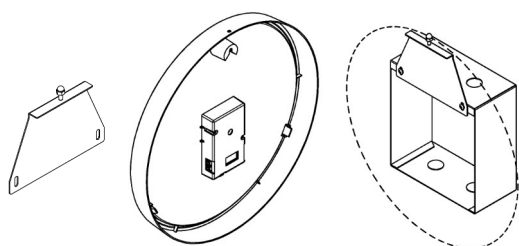
For 120V clocks, a transformer is mounted to the back of the Surface Bracket, and a Deep 4 Square electrical box is required. The top of the clock case will be approximately 1" above the electrical box. Leave a minimum of 4" to the ceiling to allow installation of the acorn nut.



Screw Mount

Case Styles: 12" Surface ABS

Each ABS/Polycarbonate clock has a screw mount feature on the back of the clock. Use an appropriate wall anchor for the wall construction and place a screw 1.2" lower than the desired height of the clock case. Leave at least ¼" of the screw protruding from the wall.

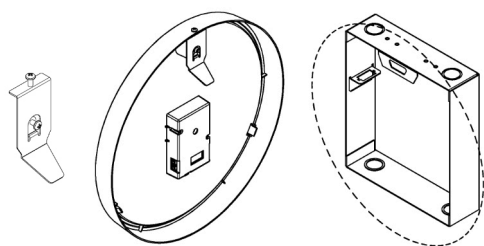


Flush Mount Adapter Bracket (P/N: SRP-12ADAPT-NF)

Case Styles: 12" Surface ABS

12" Low Profile Steel

Adapter bracket allowing 12" Surface ABS and 12" Low Profile Steel clocks to mount to an existing National Time 143 Flush Clock Box. Screw the bracket to the holes in the top flange of the 143 box, use the slotted holes to adjust the bracket so the clock is level. The top of the clock case will be approximately 3.2" above the 143 box.



Single Tab Mounting Bracket (P/N: SRP-12ADAPT-ST)

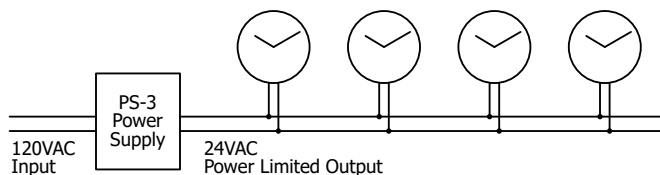
Case Styles: 12" Surface ABS

Adapter bracket allowing 12" Surface ABS clocks to mount to existing wall boxes by other manufacturers. Remove the screw from the top flange of the bracket, then slide the bracket up into the screw mount feature on the back of the clock. Reinstall the screw into the top flange of the bracket through the hole in the top of the clock case. Lastly, tighten the screw on the back of the bracket. The top of the clock case will be approximately 1.75" above the box.

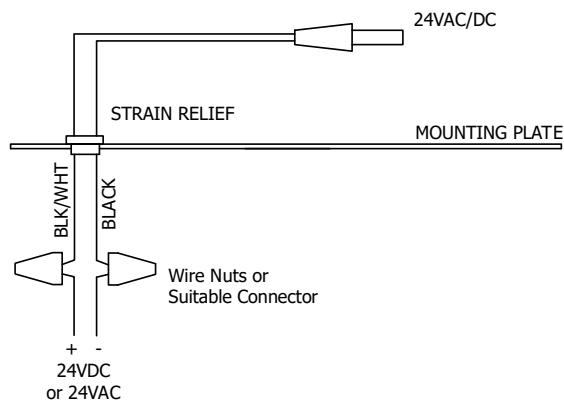
Wiring Diagrams

24V System Wiring

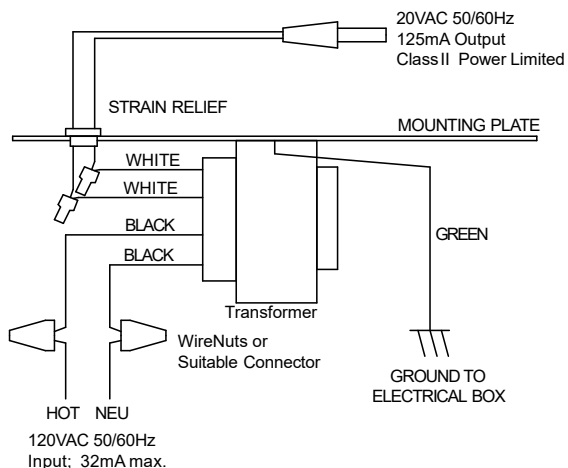
National Time's PS-3 Power Supply can typically power up to 80 TimeCast™ clocks. 24VAC or 24VDC power supplies by others can also be used.



24V Clock Wiring



120V Hard-Wired Transformer



120V Plug-in Wall Transformer

Wall transformer with 6' cord plugs into a nearby outlet. Notch clock case for desired wire location.

