

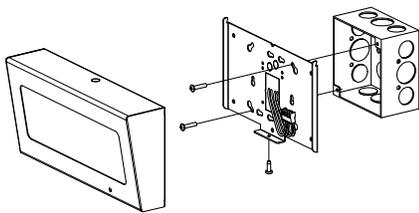
TimeCast™ System Setup

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 side 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™ Wireless Digital Clock product page on our website at www.natsco.net/product/timecastdigital/

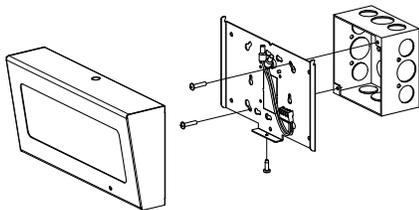
Also, check out our installation videos on the National Time & Signal YouTube channel.

Mounting Instructions



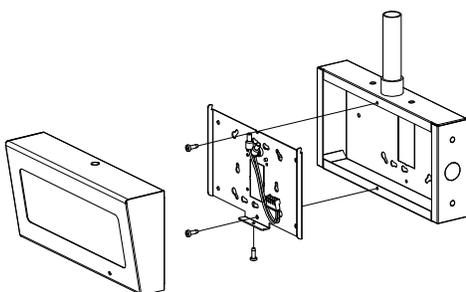
24V Clocks with Standard Hanger Bracket

The Standard Hanger Bracket is included with all TimeCast™ digital clocks. The bracket mounts to a securely mounted handy, single gang, double gang, or 4 square electrical box. Route the included wire harness through one of the 3/8" knock-outs in the bracket using the provided strain relief. The screw in the bottom flange of the hanger bracket is used to secure the clock in place.



120V Hard Wired Transformer

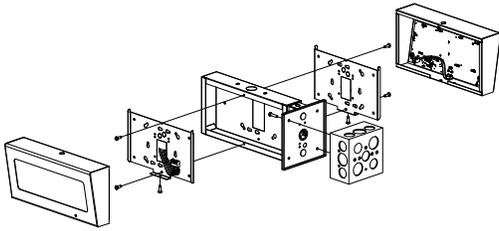
For 120V clocks, a transformer is mounted to the back of the Standard Hanger Bracket, and a Deep 4 Square electrical box is required. Connect the 120VAC wires to the transformer and mount the bracket to the Deep 4 Square box with the transformer inside the box. Use the screw in the bottom flange of the hanger bracket to secure the clock in place.



Surface Mount Installation

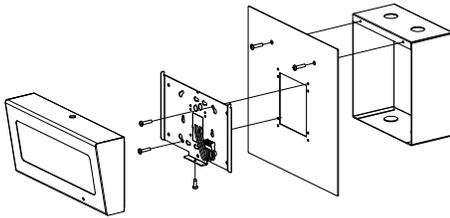
Surface Box P/N: *D225-SURF BOX or D225-6-SURF BOX*
D400-SURF BOX or D400-6-SURF BOX

The Standard Hanger Bracket can also mount to a Surface Mount Box (sold separately) with knock-outs for conduit entry. The Surface Box is reversible to allow conduit entry from any side. With the Surface Box mounted to the wall, attach the hanger bracket to the front of the Surface Box. Use the screw in the bottom flange of the hanger bracket to secure the clock to the Surface Box.



Double Face Installation

The Double Face Bracket mounts to a securely installed 4 Square electrical box and can be configured for both wall mount and ceiling mount installations. The Double Face Bracket for D400 clocks includes extra mounting holes so that additional wall anchors can be used for increased stability. For more detailed double face assembly instructions, see Bulletin C-619.



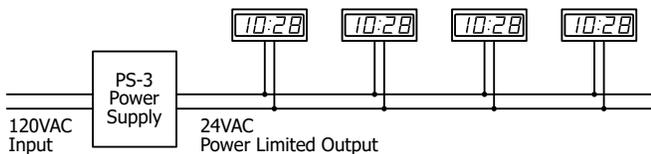
Flush Mount Adapter Bracket (P/N: ADAPT-143)

Adapter bracket allowing D225 and D400 digital clocks to mount to existing National Time 143 Flush Clock Box. The adapter bracket has two hole patterns for mounting the digital clock Standard Hanger Bracket. Use the upper hole pattern for D225 clocks so the clock is centered on the adapter bracket. The lower hole pattern is for D400 clocks to provide clearance between the clock and the screws that mount the adapter to the 143 Wall Box.

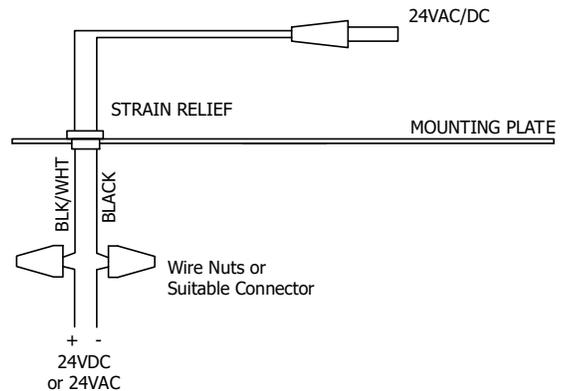
Wiring Diagrams

24V System Wiring

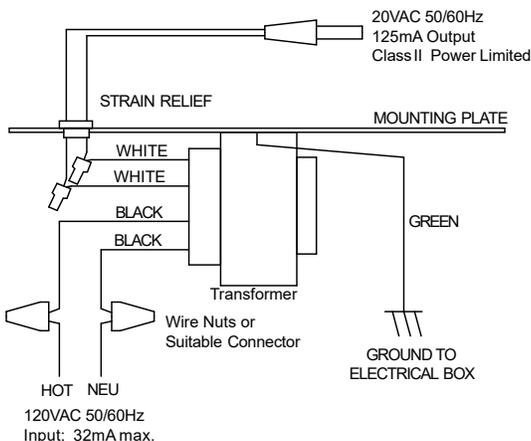
National Time's PS-3 Power Supply can supply up to 3 Amps. Refer to the 24VAC column of the current draw charts in Bulletin C-627 to calculate the maximum number of clocks. 24VAC or 24VDC power supplies by others can also be used.



24V Clock Wiring



120V Hard-Wired Transformer



120V Plug-in Wall Transformer

Wall transformer with 6' cord plugs into a nearby outlet. Pass the wall transformer cable through the knock-outs in the clock case or Double Face Bracket using the provided strain relief.

