TST-1080

10.1 in. Wireless Touch Screen

Installation Guide

Crestron Electronics, Inc.

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TST-1080 Installation (with TST-1080-DSW)

Use the following procedures to install the TST-1080 touch screen with the TST-1080-DSW.

> **NOTE:** The TST-1080-DSW wall dock is designed for flush-mount installation in a flat, vertical wall structure. Installation of the wall dock requires additional mounting hardware (not included):
>
> - The TST-902-DSW-BB and TST-902-DSW-BBI back boxes are available for both framed and masonry construction.
> - The TST-902-DSW-PMK, TST-902-DSW-WMKM, and TST-902-DSW-WMKT mounting kits are available for preconstruction and postconstruction applications that do not require a back box.

In the Box (TST-1080-DSW)

Qty.	Description
1	TST-1080-DSW, Wall Dock for TST-1080

	Additional Items
1	Connector, 2-Pin (2003574)
4	Screw, 6-32 x 1-1/2 in., Flat Head, Phillips (2031703)
4	Plug, 0.35 x 0.50 in., Black (2042641)
4	Screw, 6-32 x 1 in., Flat Head, Phillips, Black (2060660)
1	Key, Release Lock (4522222)

Install the Mounting Hardware

One of the available TST-1080-DSW mounting accessories (not included) must be installed prior to installing the TST-1080-DSW. Refer to the following installation procedures depending on the chosen mounting hardware:

> **NOTE:** Ensure the chosen mounting location allows for an air gap of at least 12 in. (305 mm) in the wall cavity above and below the TST-1080-DSW for heat dissipation.

- For preconstruction applications where a back box will be fastened to the left or right-hand stud of a framed wall prior to drywall installation, refer to TST-902-DSW-BB Installation.
- For preconstruction applications where mounting hardware (without a back box) will be fastened to the left or right-hand stud of a framed wall prior to drywall installation, refer to TST-902-DSW-PMK Installation.
- For postconstruction applications where a back box will be installed into masonry or concrete, refer to TST-902-DSW-BBI Installation.

- For postconstruction applications where mounting hardware will be installed in an existing framed wall or similar flat surface using a mud ring, refer to TST-902-DSW-WMKM Installation.
- For postconstruction applications where mounting hardware will be installed in an existing framed wall or similar flat surface using a trim ring, refer to TST-902-DSW-WMKT Installation.

Install the TST-1080-DSW

The following procedure assumes that the a TST-1080-DSW mounting accessory has been installed completely as described in Install the Mounting Hardware (on page 4). For preconstruction mounting hardware, it is also assumed that drywall is in place and a cutout for the TST-1080-DSW has been made.

To install the TST-1080-DSW wall dock:

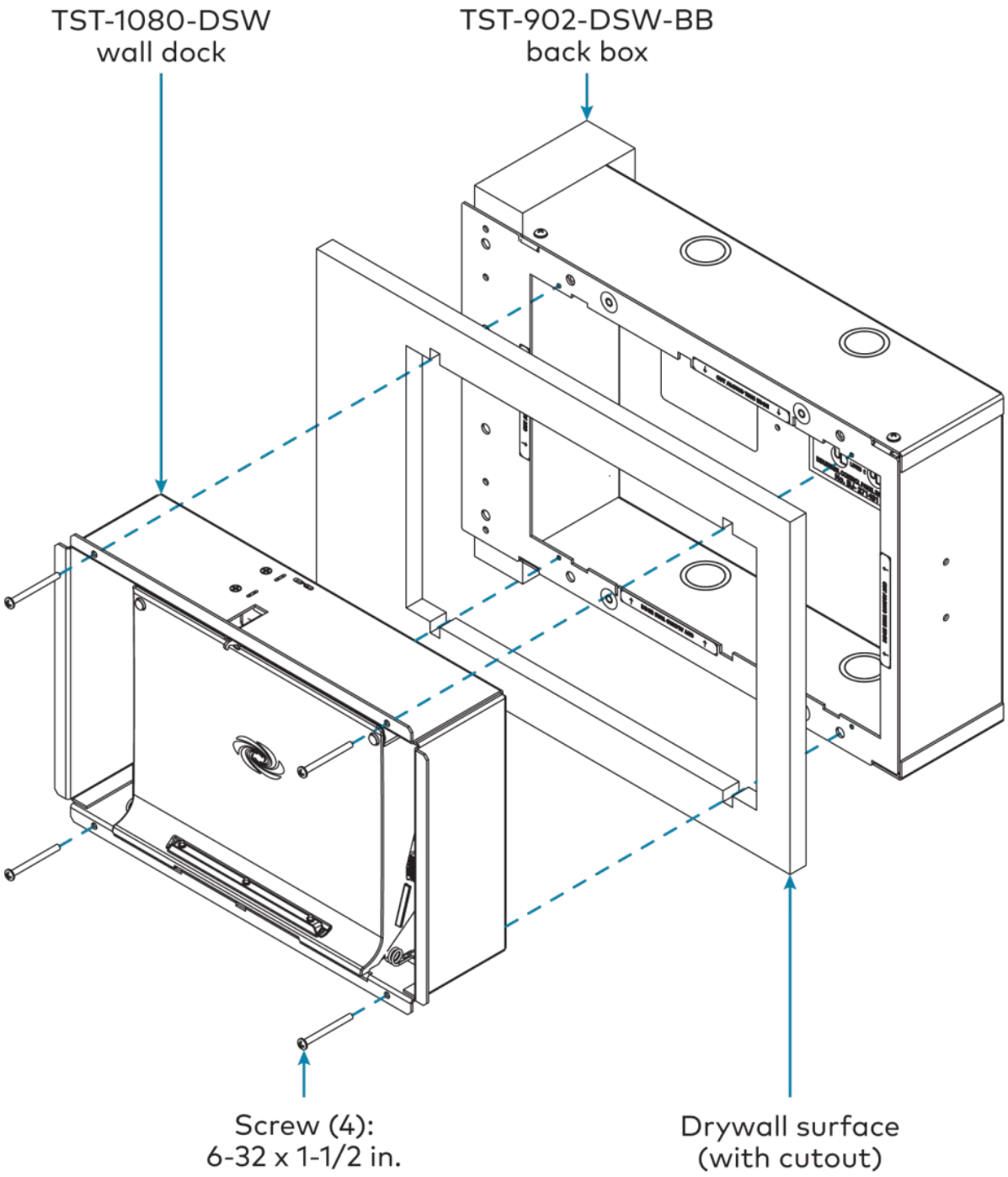
1. Route the wiring for the TST-1080-DSW power connection through the rear of the mounting hardware.

   > **NOTE:** The maximum wire size for the power connection is 18 AWG.

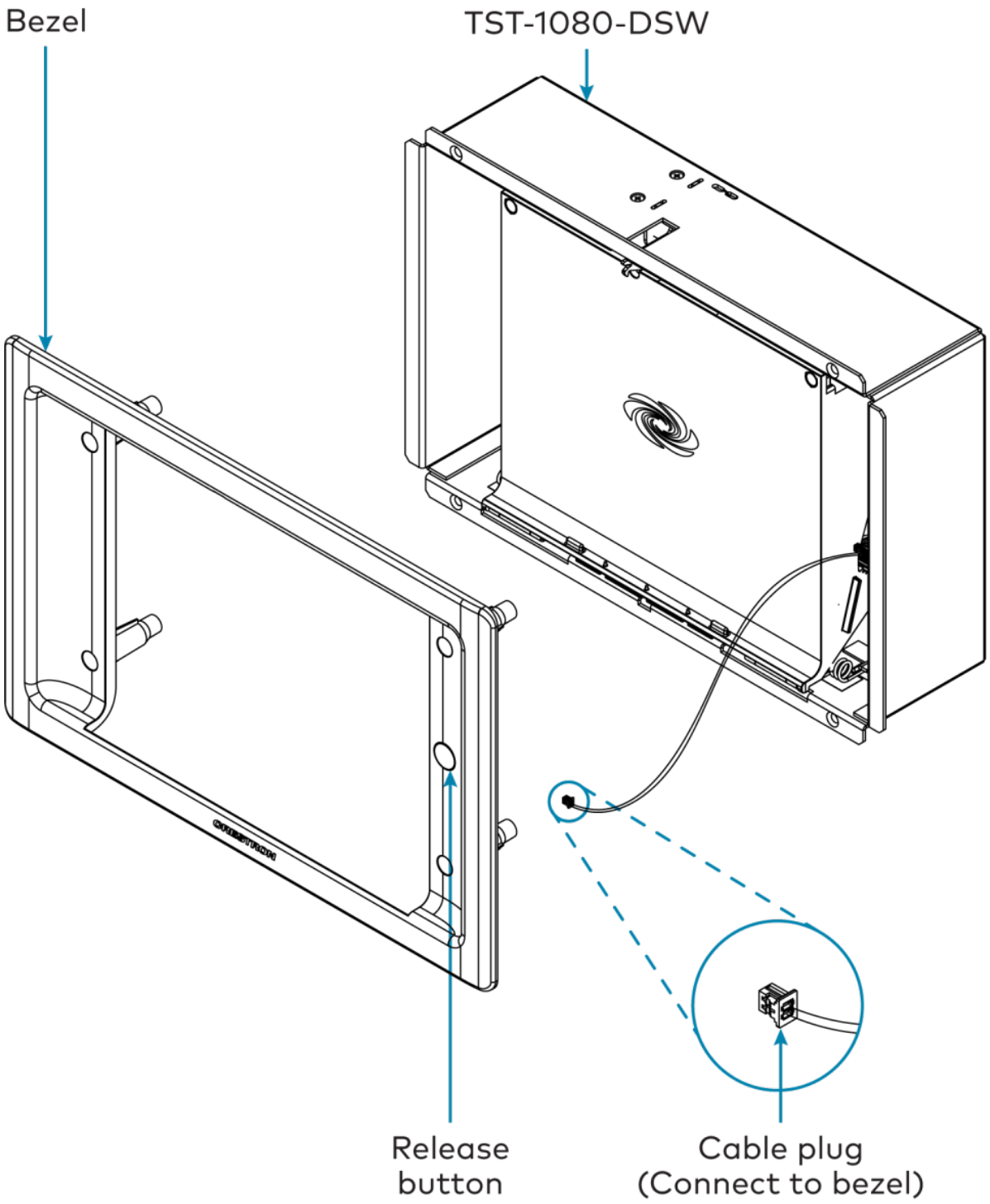
2. While holding the TST-1080-DSW, connect the flying leads from the wiring to the 2-pin power connector (**24 G**) on the rear of the TST-1080-DSW.
3. Attach the TST-1080-DSW to the mounting hardware using the four 6-32 x 1-1/2 in. screws.

   The following illustration shows the TST-1080-DSW being attached to the TST-902-DSW-BB back box as an example.

   > **NOTE:** The cradle for the touch screen on the TST-1080-DSW should be in the closed position during installation.

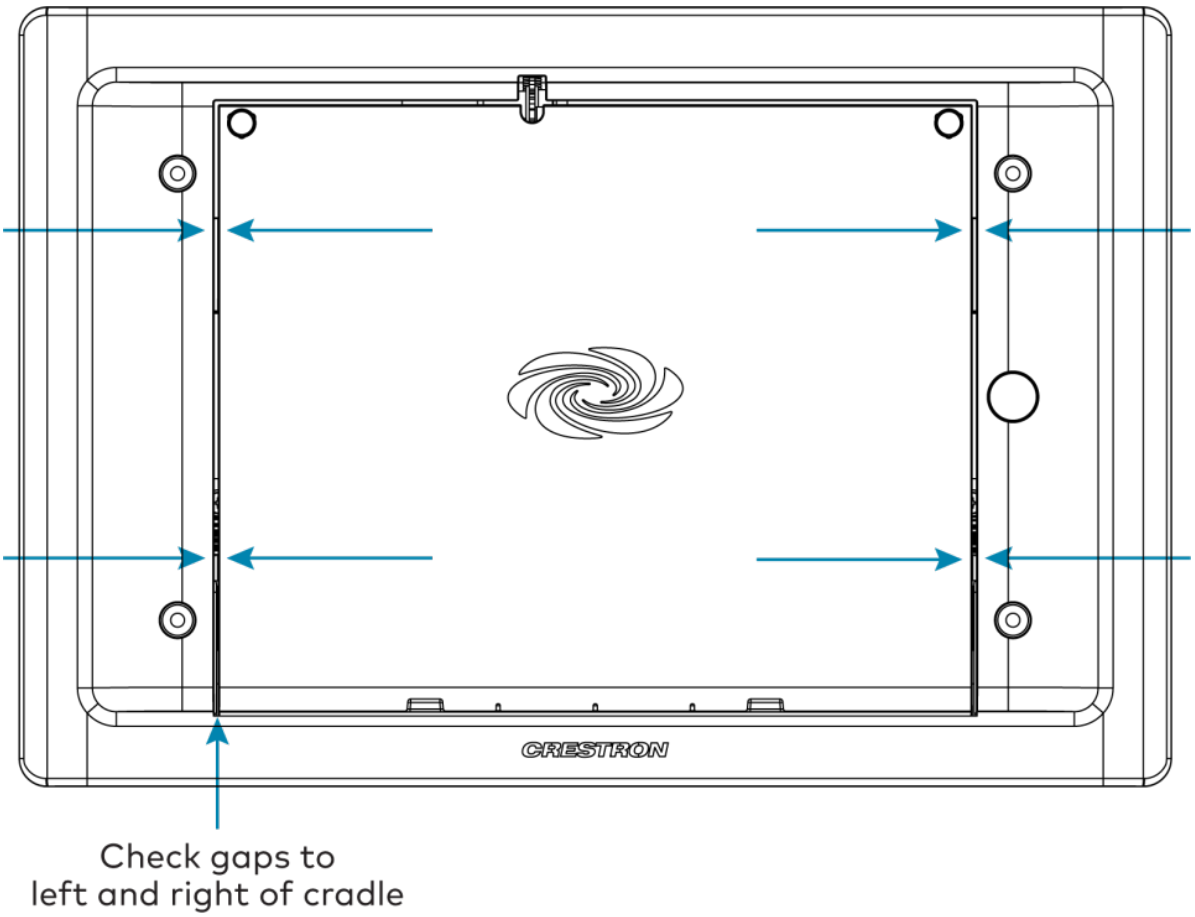


4. While holding the included bezel, connect the small plug attached to the thin cable on the TST-1080-DSW to the connector located behind the release button on the right of the bezel. Refer to the illustration below step 7.

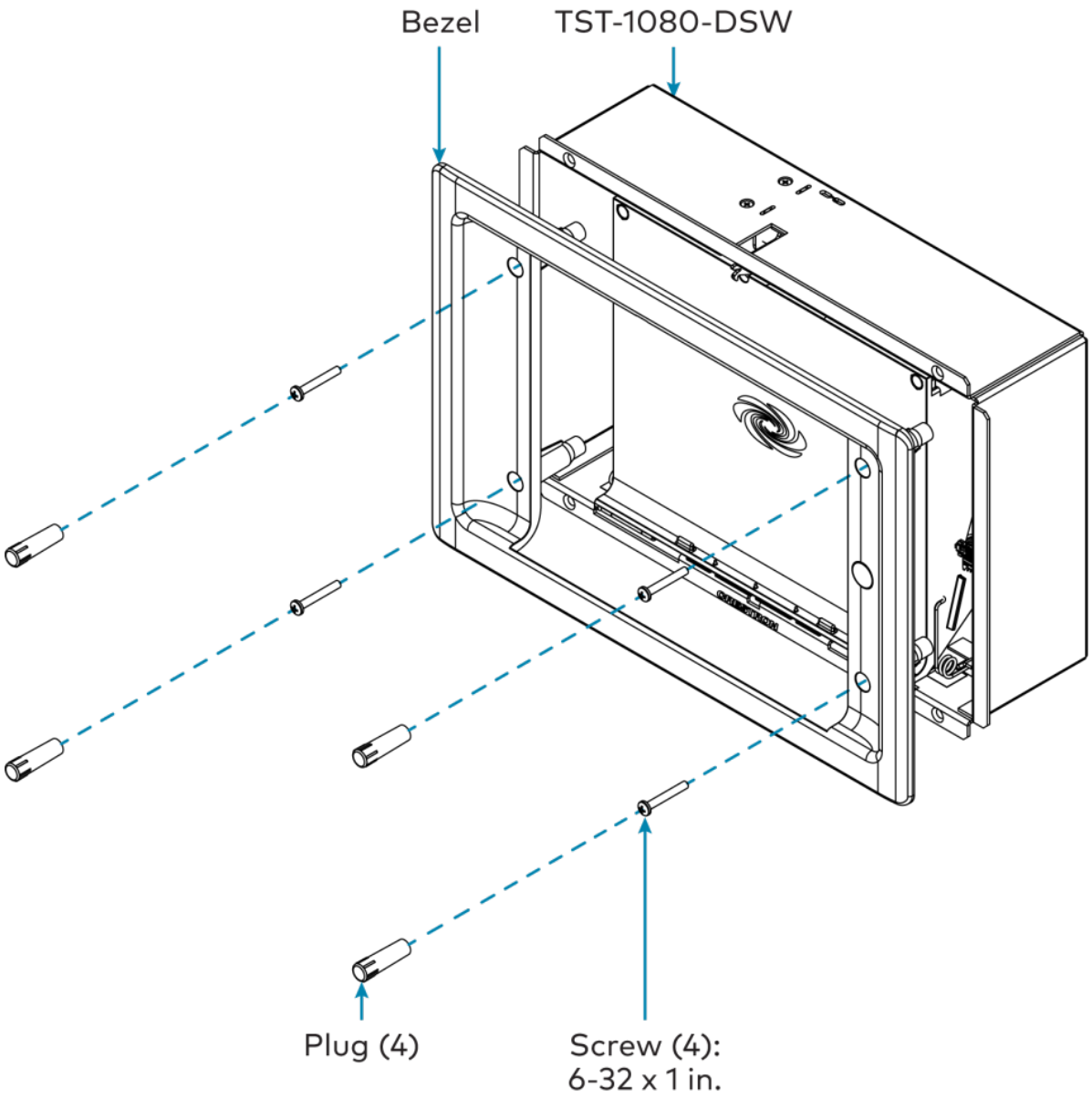


> **NOTE:** If the bezel must be removed for any reason, disconnect this cable carefully prior to removal.

5. Attach the bezel to the TST-1080-DSW using the four 6-32 x 1 in. screws, but do not tighten the screws. Refer to the illustration below step 7.
6. While viewing the assembly from the front, ensure that the gaps to the left and right of the cradle are about equal. Then, tighten the screws fully to secure the bezel.



7. Attach the four plastic plugs to cover the screws. Each plug should be pushed fully into its opening so that the plug is recessed from the bezel front surface.



8. Test the installation by pushing the release button on the right of the bezel to open the cradle. Then, push the cradle back into place to close it.

Dock the Touch Screen

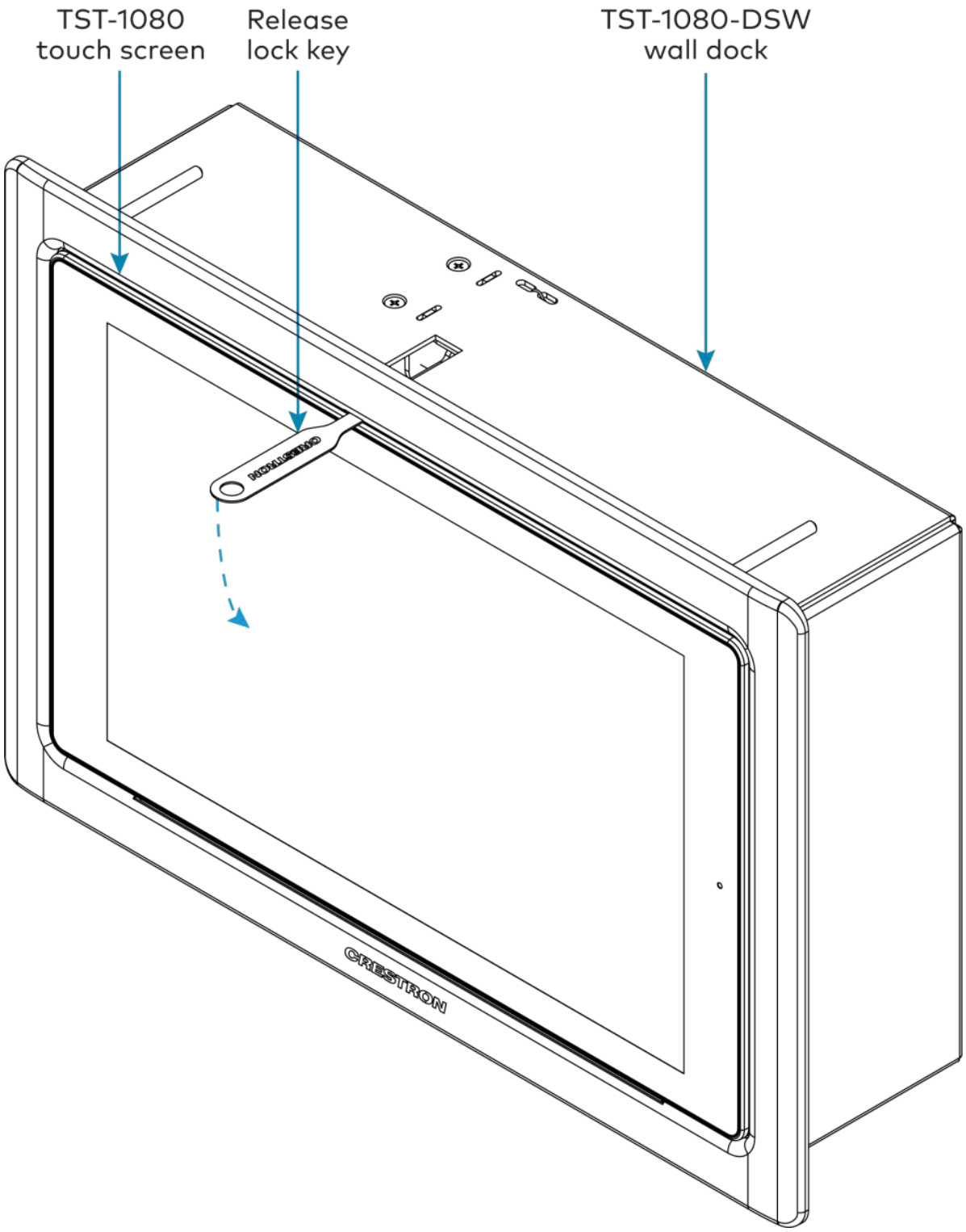
To dock the TST-1080 touch screen once the TST-1080-DSW has been installed:

1. Push the release button on the right of the bezel to open the cradle.
2. Insert the bottom of the touch screen into the cradle, and then push the top of the touch screen into place so that it attaches to the TST-1080-DSW magnetically.
3. Push the cradle with the touch screen back into place to close it.

Undock the Touch Screen

In the event of a power failure, the touch screen can be unlocked and removed from the TST-1080-DSW manually.

1. Insert the provided release lock key into the gap between the top of the touch screen and the TST-1080-DSW. Ensure that the machined text on the key is facing upward.
2. Rotate the key downward as shown in the following illustration.



3. Remove the key to open the cradle so that the touch screen can be removed.

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