

## 5" and 7" In-Wall Touch Screen Wall Box Installation Guide Retrofit



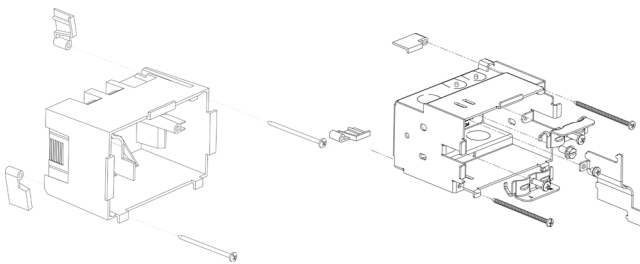
### Supported Touch Screen Models

- C4-TSWMC5-EG-WH - 5" In-Wall Touch Screen, White
- C4-TSWMC5-EG-BL - 5" In-Wall Touch Screen, Black
- C4-TSWMC7-EG-WH - 7" In-Wall Touch Screen, White
- C4-TSWMC7-EG-BL - 7" In-Wall Touch Screen, Black

### Supported Wall Box Models

Plastic Model  
(C4-RWB57C-P)

Metal Model  
(C4-RWB57C-M)



### General Description

This Control4® kit provides a wall box to accommodate the installation of a 5" and 7" In-Wall Touch Screen. The kit is intended for installations where construction is completed and drywall is in

place. This kit is not intended for new construction where drywall is *not* yet installed.



**Note:** If the drywall is *not* in place, use one of the kits intended for new construction (models C4-NWB57C-P or C4-NWB57C-M).

### Requirements

Tools to cut the drywall and install the wall box include:

- Stud finder
- Tape measure
- Pencil
- Level
- Utility knife (with a sharp blade)
- Drywall saw
- Phillips head screwdriver



**WARNING!** Before you install the wall box, ensure that you've turned off the power to the wires that will be attached to the box.

### What's in the Kit

- 5" and 7" In-Wall Touch Screen Wall Box for Retrofit
- Two (2) ferrite clamps with a rectangular enclosure and one ferrite (1) clamp with a round enclosure
- *5" and 7" In-Wall Touch Screen Wall Box Retrofit Installation Guide* (this document)

### Installation



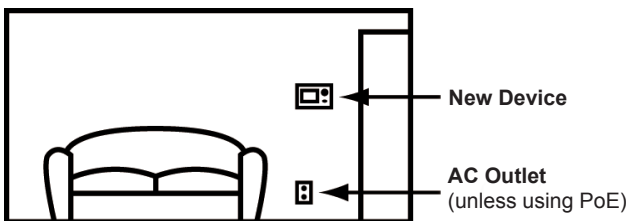
**Notes:** (1) Install the wall box flush with the wall. (2) Wall box dimensions: (H x W x D): 2.7" x 4.1" x 2.4" (68mm x 104mm x 61mm).


- 1 Find an appropriate wall box location for the Touch Screen you are installing:
  - The wall box should be in a convenient location, for example, near the entrance of a room.
  - The wall box should be at eye level, approximately 57 to 61 inches from the floor.
  - When using the Ethernet models near a location where an Ethernet CAT5 cable is pulled.
  - When using the wireless model or near an AC power source, such as an AC outlet.

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**Note:** Place the wall box between studs. Do not attempt to install a wall box over a wall stud.



- 2 Measure from the floor up to the desired height of the bottom of the device (57 to 61 inches) and lightly mark the wall with a pencil. Using a level, extend the mark into a light horizontal line that is several inches long.
  - 3 Remove the paper backing from the template so that the adhesive is exposed.
  - 4 With the adhesive side of the template toward the wall, position the Level Line (marked on the template) parallel to or covering the horizontal line you drew in Step 2, and lightly press it into place. This marks the location of the wall box.
-  **Notes:** (1) If you press the template into place lightly, you can remove it more quickly when required (Step 8). (2) The adhesive on the template is temporary, but may become more thoroughly fixed over time. Avoid leaving the template in place if possible. If you have any concerns that the template will damage the paint or wallpaper, use the template without removing the paper backing.
- 5 Using your utility knife, in the template cut along the perimeter slots that represent the rectangular box.

Follow these guidelines next:

- a Cut along the edge of each slot.
- b Cut through the outer paper of the drywall completely and into the chalk beneath it.



**IMPORTANT!** Pay attention to the following concerns when cutting:

- (1) Use a knife with a sharp blade. If the blade is not sharp enough, the outer paper of the drywall may tear.
- (2) Try using light scores first to eliminate damaging the drywall.
- (3) Be as precise as possible. So that the box sits properly inside the wall, create a hole the correct size for the box.

- 6 Using a drywall saw (keyhole type) puncture a hole through the drywall in the center hole of the template.



**Note:** Puncture the outer paper of the drywall with the saw's point. While continuing to push gently, rock the saw forward and back until it penetrates the drywall. You do not need to push very hard.

- 7 Saw through the template's diagonal slots to each corner of the perimeter you cut in Step 6.




**WARNING!** Do not cut any wires that may be inside the drywall already.

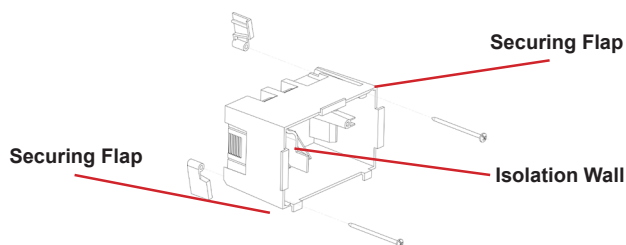
- 8 Carefully peel the template from the wall to remove it.
- 9 One at a time, use your thumb to push on each of the triangular drywall quadrants until the drywall snaps along the line you scored around the perimeter in Step 5.
- 10 Using your utility knife, cut loose the remaining paper on the back side of each of the drywall quadrants, and remove the quadrant from the opening.
- 11 Clean up any rough edges on the opening of the drywall saw or utility knife.




**IMPORTANT!** Do not enlarge the opening beyond the original cut.

- 12 Feed either the AC or PoE wires through a tab in the back of the wall box.
- 13 With the wall box right-side up as indicated by the label on the inside of the wall box, hold the securing flaps flush against the wall box and carefully place the wall box into the opening you created in the wall.

 **Note:** When the box is right-side up, the isolation wall will be slightly offset toward the bottom of the box.




- 14 After you've placed the wall box inside the wall, lightly tighten the screws that pull the securing flaps. As you tighten the screws, the flaps will cinch to the box and to the inside of the drywall. With the flanges on the front rim of the wall box, hold it in place on the outside of the drywall.


 **Note:** Do not tighten the screws at this point. Secure the wall box only to the degree that it stays in place in the wall's opening.


- 15 If you are using the metal box model, attach the ground wire to the wall box in the location indicated by the ground symbol.



 **WARNING!** Failure to ground the metal wall box properly results in a potentially hazardous condition.

- 16 Finish tightening the screws that attach the securing flaps and cinch the wall box more tightly to the wall.

 **Note:** Do not overtighten.

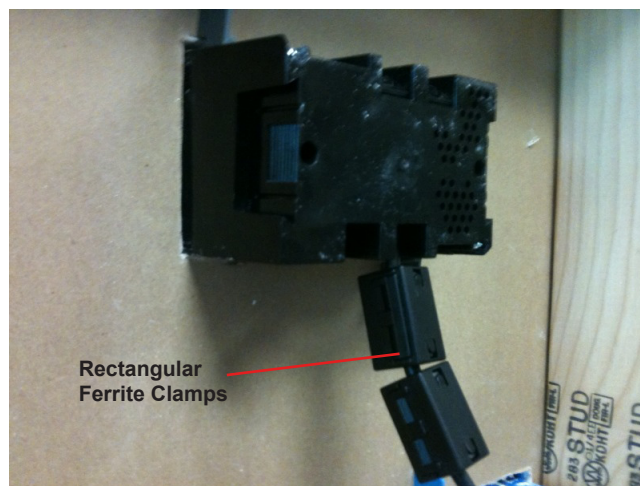
 **IMPORTANT!** Overtightening the securing flaps may damage the drywall and undermine its ability to keep the wall box properly in place, or it may strip the plastic securing flaps and decrease their effectiveness.

## Ferrite Clamp Installation

When installing the Control4® 5" or 7" In-Wall Touch Screen, also install the enclosed ferrite clamps (see next figure) as described in this document. The wall box packaging includes two (2) ferrite clamps with a rectangular enclosure and one ferrite (1) clamp with a round enclosure.

### Ferrite Clamp Installation when Using Power over Ethernet (PoE)

When powering the 5" or 7" In-Wall Touch Screen using PoE, install the two (2) rectangular ferrite clamps on the Ethernet cable behind the wall box as shown next.



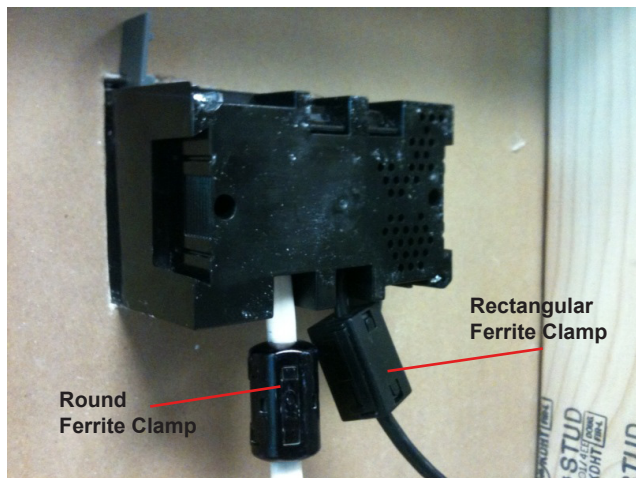
### Ferrite Clamp Installation when Using AC Power and a WiFi Network Connection

When powering the Touch Screen using 110 or 240 VAC, install the round ferrite clamp on the AC cable behind the wall box as shown below.



## Ferrite Clamp Installation when Using AC Power and an Ethernet Network Connection

When powering the Touch Screen using AC and connecting to the network using Ethernet, only install one (1) rectangular ferrite clamp on the Ethernet cable and one (1) round ferrite clamp on the AC cable behind the wall box as shown next.



## Warranty

Limited 2-year Warranty. Go to <http://www.control4.com/warranty> for details.

## About This Document

Part number: 200-00166, Rev. F 7/07/2011