Panasonic®

**Up to 1 hour combustible assemblies
ceiling radiation damper**
PC-RD05C5 installation instructions

Figure 1

For fan model:
**WhisperGreen: FV-05-11VK1, FV-05-11VKL1, FV-05-11VKS1, FV-05-11VKSL1, FV-11-15VK1, FV-11-15VKL1.
WhisperCeiling: FV-05VQ5, FV-08VQ5, FV-08VQL5, FV-08VQL6, FV-11VQ5, FV-11VQL5, FV-11VQL6, FV-15VQ5,
FV-15VQL5, FV-15VQL6.
WhisperSense: FV-08VQC5, FV-08VQCL5, FV-08VQCL6, FV-11VQC5, FV-11VQCL5, FV-11VQCL6.
WhisperFit: FV-05VF2, FV-05VFL4, FV-05VFM2, FV-08-11VF5, FV-08-11VFL5, FV-08-11VFM5, FV-08VF2, FV-08VFL4,
FV-08VFM2, FV-11VF2, FV-11VFL4.
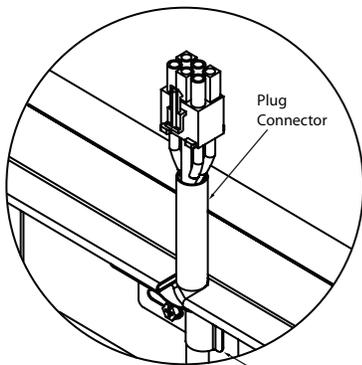WhisperValue: FV-05VS1, FV-05VS3, FV-08VS3, FV-08VSL3, FV-10VS1, FV-10VS3, FV-10VSL3**

Figure 2A

Wiring
Bracket

Figure 2B

1. Position the ceiling radiation damper on the inlet side of the fan such that the holes in the damper mounting flanges line up with the holes in the flange of the fan housing. Secure the damper to the fan housing using four #10-32 screws and nuts supplied.

2A. For a damper used with a fan requiring a plug connector to pass through the damper, secure the plug connector using the wiring bracket and #8 course threaded screw supplied. (See Figure 2A) If the plug connector cannot reach through the damper to the grill plug attachments, release the clips holding the wiring inside the fan with a Phillips-Head screwdriver. Make sure the wire lead or plug connector does not interfere with the closing of the damper.

2B. For a damper used with a fan that does not require a plug connector, secure the wiring bracket to the damper frame using the #8 course thread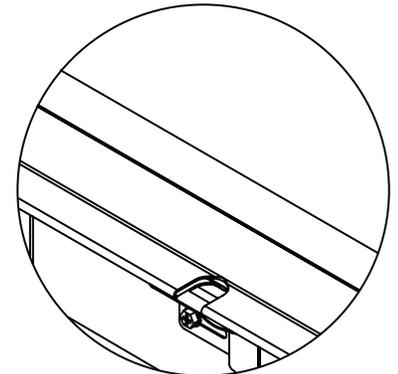ed screw supplied. Make sure the wiring bracket covers the notch in the frame and does not interfere with the closing of the damper. (See Figure 2B)

3. Prior to installing the damper/fan, damper supports need to be installed in the ceiling assembly (See Figure 1 and Figure 5). Four damper supports made from 2x4's cut to the truss height need to be installed, centered around the damper/fan location. The damper supports need to be spaced 11-9/16" (294) on center. The bottom of the damper supports must be flush with the bottom of the trusses. Each damper support must be fastened to the truss members with a minimum 2" (51) long #8 wood screws at a minimum of two places.

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4. With the damper secured to the fan housing, attach the supplied mounting brackets. Position the mounting brackets under the damper mounting flanges or under the fan housing flange as required. Position the slot so it aligns with the holes in the fan housing and/or the holes in the damper mounting flanges (See Figure 3). The brackets can be adjusted to fit between the damper supports. Once the brackets are adjusted, attach them to the flange of the fan housing using four #10-32 screws and nuts supplied. A minimum of two fasteners per side is required.

5. Fasten the support brackets to the damper supports with a minimum 2" (51) long #8 wood screws at a minimum of 1 place per bracket. Be sure the bottom of the damper/fan will be flush with the bottom of the gypsum once it is installed. Locate the damper/fan based on the presence of a resilient channel and gypsum thickness. Please refer to the appropriate UL floor/ceiling or roof/ceiling design for reference.

6. Once the gypsum is in place install the drywall support assembly (See Figure 4) to the damper using the #8 course threaded screws supplied at four places minimum. The drywall support assembly must be installed snug to the bottom of the gypsum so the gypsum is resting on the drywall support assembly.

7. Install the fan grill per the Panasonic Installation Instructions.

8. For other installation details see the Panasonic Installation Instructions.
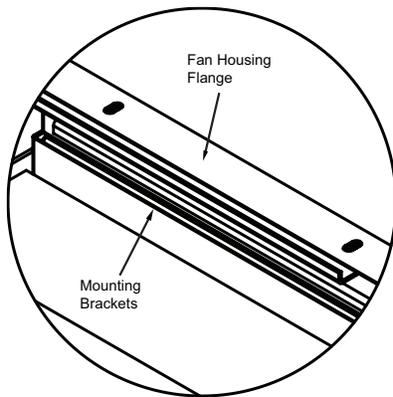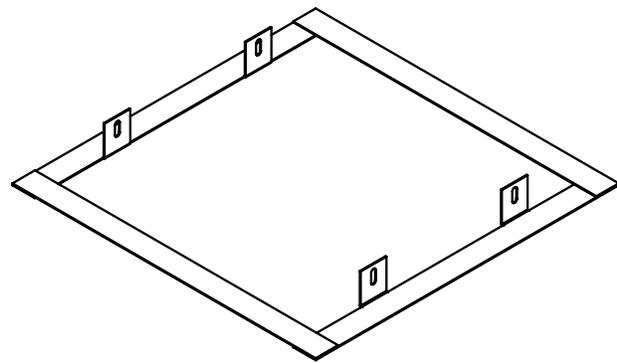
Fan Housing Flange

Mounting Brackets

Figure 3

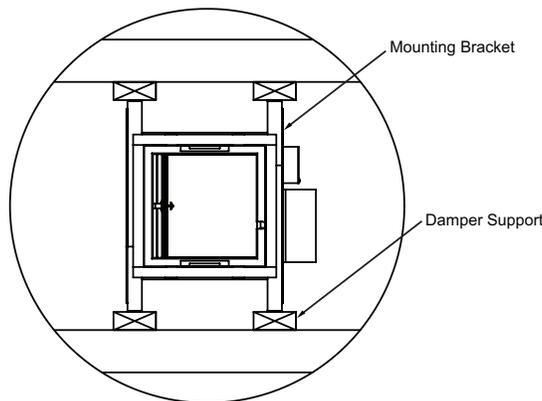**Figure 4**

Mounting Bracket

Damper Support

Figure 5

For installation in the following UL rated wood truss floor-ceiling designs:

L521, L528, L546, L558, L562, L574, L576, L581, L583, L585, and M509.

For installation in the following UL rated wood truss roof-ceiling designs:

P522, P533, P538, P545, and P547.

For horizontal mount only.

Certified to UL555C.

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