OpenWay® Riva Pit Module
Installation Methods Overview
<table>
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<tr>
<th>Installation Method</th>
<th>Pros</th>
<th>Cons</th>
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</table>
| Remote Antenna Kit (CFG-0900-003) requires the Rod Mount Adaptor (CFG-1601-002) | 1. Greatest reading distance with metal lids.  
2. Required for cast iron lids.                              | 1. Potential trip hazard.                                          
2. May not fill existing cavity in lid which creates a trip hazard.  
3. Requires more steps to install.  
4. Wire damage could occur when removing the lid  
5. Highest price mounting solution.                        |
<p>| Through Lid Mount Kit (CFG-1601-001)                         | 1. Easiest mounting solution to apply.                               | 1. Wire damage could occur when removing lid.                        |
|                                                             | 2. Backward compatible with existing AMR ready lids.                 | 2. Requires lid with mounting hole.                                  |
| Rod Mount/Wall Mount                                         | 1. Eliminates potential wire damage when removing lid.               | 1. Requires selecting rod length based on soil type.                 |
|                                                             | 2. Provides flexibility in positioning water module.                | 2. Might require cutting tool to adjust rod length.                  |
|                                                             | 3. (Wall mount) Least expensive mounting solution.                  | 3. Requires more precise measurement of rod height to position water module properly. |
|                                                             | 4. Requires a remote antenna.                                       | 4. (Wall mount) More susceptible to being submerged.                |
|                                                             |                                                                     | 5. (Wall mount) Would require drill, specific drill bits, and mounting fasteners. |
|                                                             |                                                                     | 6. (Wall mount) Requires measurement of water module height to optimize reading performance. |
| Meter Integral Mount (remote OpenWay® Riva Water Module only) | 1. Eliminates water module field installation when meter manufacturers pre-attach to meter registers. | 1. Only approved for installations indoor or above ground.           |
|                                                             |                                                                     | 2. Cannot replace water module without also changing meter register. |</p>
<table>
<thead>
<tr>
<th>Various Lid Styles</th>
<th>Description</th>
<th>Manufacturer</th>
<th>Material</th>
<th>OW Riva Water Module Mounting Options</th>
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</table>
| ![Image](image1.png) | Single through-hole with recessed cavity | DFW | Plastic | *Plug hole  
1. Rod mount  
2. Wall mount |
| ![Image](image2.png) | Dual through-hole with recessed cavity | DFW | Plastic | *Plug hole  
1. Rod mount  
2. Wall mount |
| ![Image](image3.png) | Dual under-lid bracket | DFW | Plastic | 1. Rod mount  
2. Wall mount  
3. Antenna |
| ![Image](image4.png) | Single under-lid bracket | DFW | Plastic | 1. Rod mount  
2. Wall mount  
3. Antenna |
| ![Image](image5.png) | Single under-lid shelf mount | Armorcast | Concrete Composite | 1. Rod mount  
2. Wall mount  
3. Requires antenna |
| ![Image](image6.png) | Dual under-lid shelf mount | Armorcast | Concrete Composite | 1. Rod mount  
2. Wall mount  
3. Requires antenna |
| ![Image](image7.png) | Single under lid shelf mount | Armorcast | Concrete Composite | 1. Rod mount  
2. Wall mount  
3. Requires antenna |
| ![Image](image8.png) | Standard lid | Various | Metal | 1. Rod mount  
2. Wall mount  
3. Requires antenna |

1. Installation options are listed in their preferred order to achieve optimal OpenWay Riva Water module radiated power.  
2. Mount the water module 1 to 3 inches below the pit lid for optimum radiated power.  
3. RF performance will degrade under a metal lid. Use a remote antenna if necessary.