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60W & 60WP Installation Methods Overview

Revision C

Installation Method	Pros	Cons
Pit Lid Mounting Kit (CFG-0771-011)	1. Greatest reading distance for non-metal lids. 2. Least expensive solution for metal lids. 3. Endpoint less likely to be submerged.	1. Doesn't fill existing cavity in lid which creates a trip hazard. 2. Wire damage could occur when removing lid. 3. Reduced reading distance with metal lids. 4. Not rated for incidental traffic.
Passive Radiator Kit (CFG-0771-006)	1. Greatest reading distance with metal lids. 2. Best for incidental traffic (i.e. driveways, parking lots). 3. Endpoint less likely to be submerged.	1. Potential trip hazard for flush mount. 2. Doesn't fill existing cavity in lid which creates a trip hazard. 3. Requires more steps to install. 4. Specialized cable tie tool required. 5. Wire damage could occur when removing the lid 6. Highest price mounting solution.
Shelf Mounting Kit (CFG-0771-007)	1. Easiest mounting solution to apply. 2. Backward compatible with existing AMR ready lids.	1. Wire damage could occur when removing lid. 2. Requires lid with built-in shelf or separate mounting bracket.
Rod Mount	1. Eliminates potential wire damage when removing lid. 2. Provides flexibility in positioning endpoint.	1. Endpoint more susceptible to being submerged. 2. Requires selecting rod length based on soil type. 3. Might require cutting tool to adjust rod length. 4. Requires more precise measurement of rod height to position endpoint properly.
Wall Mount	1. Least expensive mounting solution. 2. Eliminates potential wire damage when removing lid.	1. More susceptible to being submerged. 2. Would require drill, specific drill bits, and mounting fasteners. 3. Requires measurement of endpoint height to optimize reading performance.
Meter Integral Mount	1. Eliminates field installation of endpoints when meter manufacturers pre-attach to meter registers.	1. More susceptible to being submerged. 2. Deep pit boxes significantly reduce endpoint reading distance. 3. Difficulty troubleshooting failure of endpoint or meter register. 4. Cannot replace endpoint without also changing meter register.

Various Lid Styles		Description	Manufacturer	Material	60W/WP Mounting Options[1]
		Single Through-hole with Recessed Cavity	DFW	Plastic	1. Replace (the 60W/60WP through-lid retainer or passive radiator dome does not fill recessed cavity potentially causing a trip hazard).
		Dual Through-hole with Recessed Cavity	DFW	Plastic	1. Replace (the 60W/60WP through-lid retainer or passive radiator dome does not fill recessed cavity potentially causing a trip hazard)
		Dual Under-lid Bracket	DFW	Plastic	1. Shelf Mount 2. Rod Mount 3. Wall Mount [2] 4. Integral Mount
		Single Under-lid Bracket	DFW	Plastic	1. Shelf Mount 2. Rod Mount 3. Wall Mount [2] 4. Integral Mount
		Single Under-lid Shelf Mount	Armorcast	Concrete Composite	1. Shelf Mount 2. Rod Mount 3. Wall Mount [2] 4. Integral Mount
		Dual Under-lid Shelf Mount	Armorcast	Concrete Composite	1. Shelf Mount 2. Rod Mount 3. Wall Mount [2] 4. Integral Mount
		Single Under Lid Shelf Mount	Armorcast	Concrete Composite	1. Shelf Mount 2. Rod Mount 3. Wall Mount [2] 4. Integral Mount
		Standard Lid	Various	Metal	1. Passive Radiator Antenna Kit [3] 2. Pit Lid Kit 3. Under the lid [2] (wall or rod mount) 4. Integral Mount

1. Installation options are listed in their preferred order to achieve optimal endpoint radiated power.
2. Mount the endpoint 1 to 3 inches below the pit lid for optimum radiated power.
3. The Pit Lid Kit or a Passive Radiator will provide better reading performance when using the Mobile Collector or FC200SR handheld computers.