

Appleton™ GRTS Junction Box: Mounting Versatility with Advanced Power and Safety Capabilities

Challenges

Junction boxes are found throughout facilities for a variety of raceway applications, such as lights, controls, changes in direction, or access to wiring. This can be inside or outside, at ground level or any height.

A common application across most facilities is stanchion mounted lighting. However, variables can arise based on the application, for example cable versus conduit power delivery, resulting in possible challenges regarding:

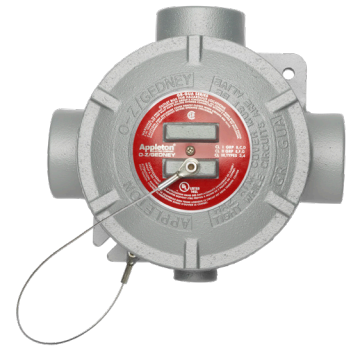
Mounting - Cable fed power delivery requires junction boxes that can be mounted to support the incoming cable and fixture pole for stanchion lighting.

Hub Size - Conduit for stanchion mounted lighting typically uses a 1-1/2" mounting hub, but raceway connections leading in and out are commonly 3/4" conduit. Most junction boxes have only one hub size, so adapters must be used, increasing cost and installation time.

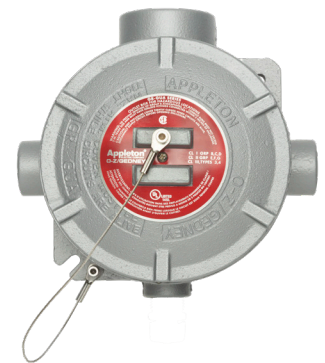
Power - While LED power requirements are minimal, other controls and devices may require up to 10 AWG conductors.

Safety - Working at height makes a junction box and its cover drop hazards during installation and maintenance.

Corrosion Protection - Junction boxes are often exposed to corrosive, moisture-prone indoor and outdoor environments which shorten product service life.



Appleton™ GRTS150 Junction Box



Appleton™ GRTS15075 Junction Box

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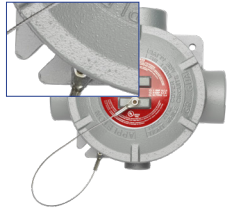
For product information:
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Solution

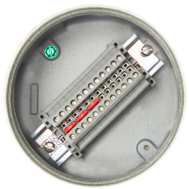
The Appleton GRTS Junction Box by Emerson consolidates elements already utilized across various designs into a single style, for a more versatile junction box that solves industry challenges regarding:



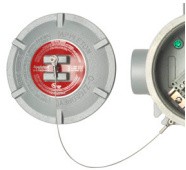
Mounting - Mounting feet provide flexibility whether cable or conduit installation is required. An open slotted mounting foot allows for pre-installation of one mounting bolt, making installation easier and safer.



Hub Size - Hub combinations provide flexibility. The (3) 1-1/2" hubs design accommodates the conduit for stanchion mounted lighting and any size raceways. The (2) 3/4" side hubs, plus (1) 1-1/2" center hub design eliminates adapter installation costs for commonly used 3/4" raceways.



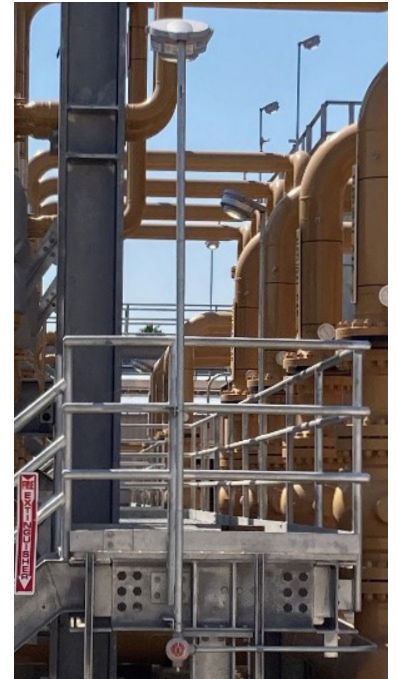
Power - Convenient DIN rail mounted terminal block with up to 10 AWG capacity for all lighting, control, and equipment power needs.



Safety - Cable attached cover eliminates a common drop hazard during installation and maintenance.



Corrosion Protection - Epoxy powder coat on aluminum models provides NEMA 4X protection for superior corrosion resistance. Factory installed drain option is ideal for locations that experience water spray or condensation.



Stanchion mounted lighting at a natural gas facility

The Appleton GRTS Junction Box by Emerson is the ideal solution for making installation easier and safer while simplifying inventory. To learn more contact your Appleton representative or visit www.appletonelec.com.