

Electrical

MODULAR ELECTRICAL DISTRIBUTION SYSTEM

PRODUCT BROCHURE

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A POWERFUL APPROACH TO CONNECTED INFRASTRUCTURE

Support your connected infrastructure needs with DIRTT electrical. Our pre-wired, modular distribution system offers a way to streamline your project today and tomorrow. Pre-mounted and terminated device boxes are installed in our walls at the factory, reducing project time and cost on-site. Plug-in connections allow for quick installation now and easy modifications in the future. With three distribution types available, we have a powerful solution for your scope.



ENGINEERED TO SUIT YOUR NEEDS

DIRTT's electrical system allows for a multitude of options, depending on your needs and the on-site conditions. Our modular approach gives you maximum flexibility from the electrical panel out to every device. With precision manufacturing, electrical placement in DIRTT walls is accurate to $\frac{1}{16}$ ". And since DIRTT consolidates multiple trades, you get improved communication and coordination.



SAVE TIME AND MONEY

Branch circuit installation can be time consuming and costly. To solve this challenge, DIRT™ removes this work from the job site and completes it in our controlled manufacturing facility. Device boxes and pre-terminated cabling are installed in DIRT™ walls before they ever get to site. Once they're shipped, DIRT™ walls tip up into place and DIRT™ electrical harnesses simply plug into the modular distribution cabling. This saves up to 70% of the labor associated with a conventional build.

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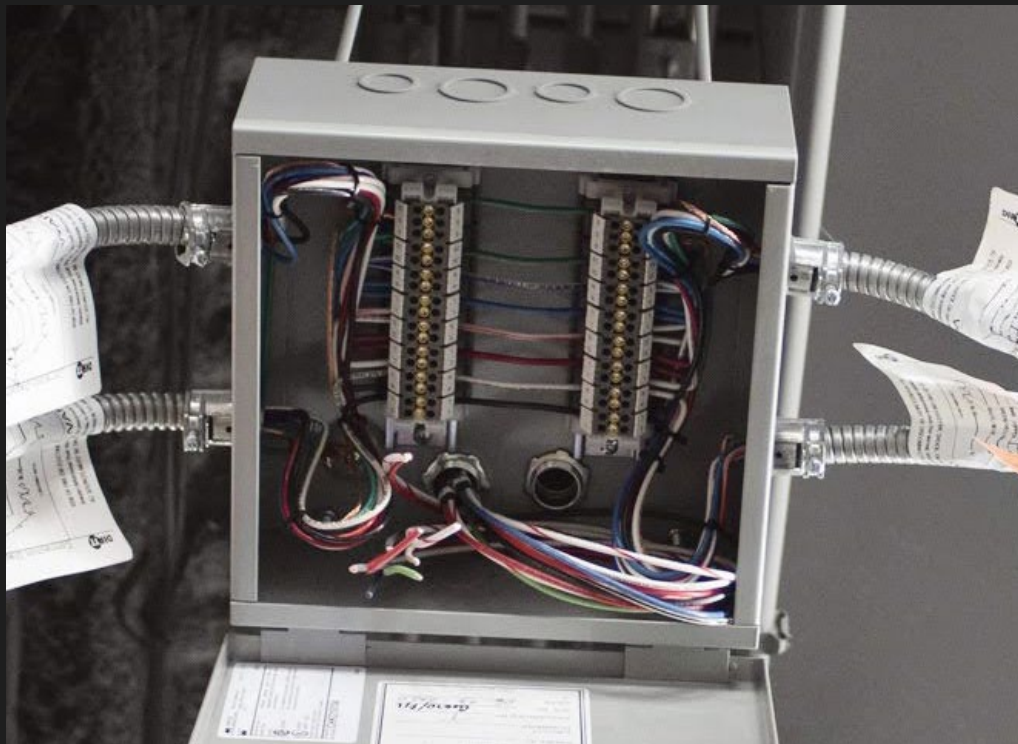
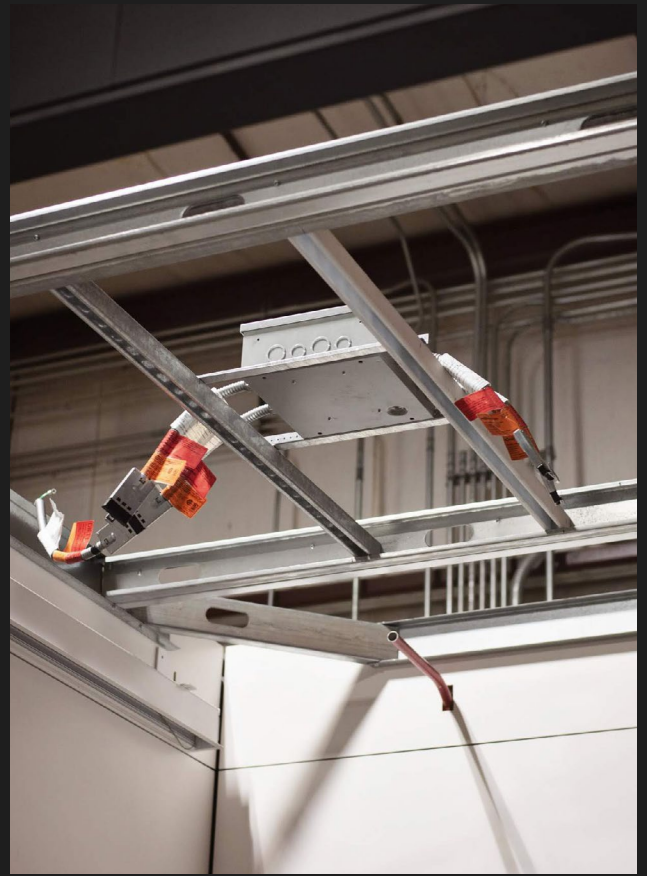
ELECTRICAL





ADAPT WHEN YOU NEED TO

With a zoned approach and modular components, DIRTT Electrical gives you the power you need today with the ability to scale tomorrow. Deploying zone boxes on a grid throughout the space ensures that if you need to add a device, existing electrical is never far away. With four circuits available on each harness, you can quickly connect locally without running back to the electrical panel. When it's time for larger renovations DIRTT walls aren't tethered to the base building with conventional wiring. You can simply unplug the modular cables and relocate the wall to a new position. Once it's in position, reconnect and you're ready to go.





CONNECTED INFRASTRUCTURE FOR THE BUILDINGS OF TOMORROW

DIRTT's electrical offering is part of our connected infrastructure solution. This approach improves the operation and efficiency of modern buildings. Deploying modular, future-ready electrical satisfies your needs today, while providing the foundation for your technology and building automation needs tomorrow.





Modular Electrical

SYSTEM COMPONENTS

01	Ceiling-mounted zone box
02	Floor-mounted zone box
03	Modular splitter
04	Pre-wired device box

SYSTEM FEATURES

- Using a zone approach to electrical distribution offers future flexibility.
- Modular, plug-in connections allow for easy installation and modifications.
- Up to four circuit capacity on one cable harness allows for efficient deployment.

Technical Overview

FEATURES

- All components can be deployed in ceilings or DIRT's low-profile access floors
- DIRTT electrical is Underwriter Laboratories (UL) and Canadian Standards Association (CSA) listed
- Pre-terminated 12 gauge electrical comes in 5' increments up to 50'
- Pre-terminated 10 gauge electrical comes in 5' increments up to 150'
- Design layout drawings and scope of work documentation provided with every project
- Contractor consultation included

FINISH OPTIONS

- Variety of faceplate, jack, and trim ring colors available
- Stainless steel options available for healthcare requirements
- Anodized floor boxes available with black or granite finishes

DESIGN OPTIONS

- Commercial grade or patient-care compliant National Electrical Code (NEC) options available
- Independent neutral and shared neutral types available
- Distribution types:
 - Panel manager: 24 and 48 circuit
 - Zone box: up to 16 circuit
 - Junction boxes: up to 4 circuit



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BUILD DYNAMIC SPACES

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