

Panduit Network Zone Systems rapidly deploy an EtherNet/IP\* network on the plant floor with a reliable, structured approach that reduces installation time and lifecycle costs. All systems include copper/fiber connectivity and are installed with cable management, grounding and high voltage barrier to accelerate deployments and reduce risk. Multiple levels of integration are available, delivering design flexibility in demanding industrial applications.



## KEY FEATURES & BENEFITS

|                                                                           |                                                                                                                                                           |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pre-configuration:</b>                                                 | Reduces time required for planning, designing, procurement, and installation, resulting in simpler specification and faster implementation                |
| <b>Copper/fiber uplinks or patch field and copper/fiber connectivity:</b> | Enable troubleshooting of network connections and verification of field terminations                                                                      |
| <b>Defined equipment locations and cable routings:</b>                    | Incorporate Panduit developed best practices in connectivity, cable management, wiring, and grounding in a secure enclosure to ensure network reliability |
| <b>Integrated power options:</b>                                          | Optimize network traffic and deliver even easier and faster deployment, speeding installation by up to 75%                                                |
| <b>Isolation barrier:</b>                                                 | Segregates higher line voltage from lower voltage switch for increased safety                                                                             |
| <b>Bonding provisions and grounding bar:</b>                              | Ensure path to ground to protect personnel and equipment                                                                                                  |
| <b>Detailed installation guide:</b>                                       | Provides easy, repeatable design instructions assuring consistency and saving time on the job-site                                                        |

## TECHNICAL INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standards:</b>            | UL 508A Standard for Industrial Control Panels, UL Type 4/12 or 4X, IP66 Rated, CE                                                                                                                                                                                                                                                                        |
| <b>Dimensions H x W x D:</b> | <b>Z23</b> with mounting angles: 40.0 in. x 24.0 in. x 11.7 in. (1016mm x 610mm x 297mm)<br>without mounting angles: 36.0 in. x 24.0 in. x 11.7 in. (914mm x 610mm x 297mm)<br><b>Z22</b> with mounting angles: 28.0 in. x 24.0 in. x 11.7 in. (711mm x 610mm x 297mm)<br>without mounting angles: 24.0 in. x 24.0 in. x 11.7 in. (610mm x 610mm x 297mm) |
| <b>Color and material:</b>   | Enclosures: Gray, 14 gauge cold roll steel or 316 stainless steel<br>Back panels: 14 gauge galvanized steel or 304 stainless steel                                                                                                                                                                                                                        |
| <b>Thermal analysis:</b>     | Validated to 40°C                                                                                                                                                                                                                                                                                                                                         |
| <b>Installation:</b>         | Wall mount with optional outside-mount flange                                                                                                                                                                                                                                                                                                             |

\*EtherNet/IP is a trademark of ODVA

FEATURES OF FACTORY ASSEMBLY

Multiple levels of integration are available to meet different industrial applications and requirements. All Panduit Network Zone System options offer highly reliable solutions and reduce time to production vs. D.I.Y. option for deploying an EtherNet/IP\* network on the plant floor.

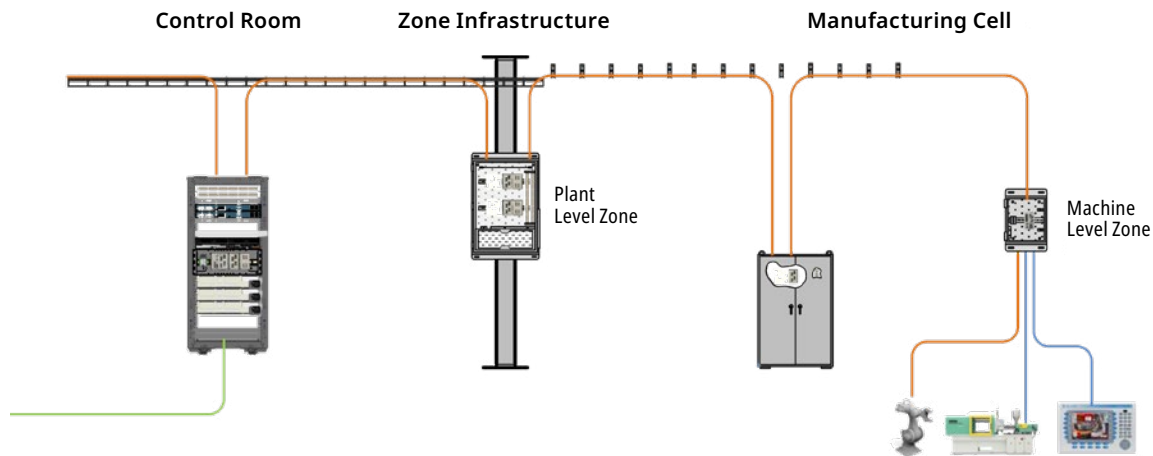


|                                                                    | Z22C & Z23C: Pre-Configured | Z22U & Z23U: Universal |
|--------------------------------------------------------------------|-----------------------------|------------------------|
| INCLUDED IN ONE PART NUMBER                                        |                             |                        |
| Active/Electrical:                                                 |                             | ✓                      |
| Factory Tested:                                                    |                             | ✓                      |
| Installed Cable Management:                                        | ✓                           | ✓                      |
| Grounding Infrastructure:                                          | ✓                           | ✓                      |
| High Voltage Barrier:                                              | ✓                           | ✓                      |
| Copper/Fiber Connectivity:                                         | ✓                           | ✓                      |
| Thermally Validated:                                               | ✓                           | ✓                      |
| Standards Compliant:                                               | ✓                           | ✓                      |
| ASSEMBLY TIME                                                      |                             |                        |
| <div><div></div> Factory Assembly</div> <div><div></div> DIY</div> |                             |                        |

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## DEPLOYING ZONE NETWORK TOPOLOGY

The Panduit building block architecture for industrial networks is a highly effective way to deploy industrial Ethernet solutions in a plant floor environment. Panduit's network zone systems building block helps to deploy industrial switches and provide a platform to improve manageability, localize network traffic, and limit Layer 2 broadcast domains‡. The network zone systems allow all cables within a cell/area zone to be managed and patched within a single enclosure. By using a zone cabling architecture, network cabling becomes easier to locate, manage, and maintain because each additional device is routed within the same pathways and enclosure. Managed cabling decreases the number of home runs throughout a facility and reduces abandoned cable in plenum spaces, to make the workplace run more efficiently and safely.



Following a zone topology with the Panduit building block architecture creates a highly scalable and flexible network deployment.

‡ For additional reference see the Panduit Popular Configuration Drawing "Overview of Industrial Switch Deployment" PCD0001

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