

Pre-Configured Network Zone System

SPECIFICATIONS

The pre-configured network zone system shall be validated to accommodate one or two industrial switches with optional expansion modules, and power supply for use in an EtherNet/IP* zone architecture/topology. The enclosure shall be UL Type 4/12 or 4x/4/12 and IP66 rated. A removable pre-engineered back plate with DIN rails installed shall be incorporated in the enclosure to enable rapid installation. Pre-installed accessory side panels, fiber slack spool, and L rings shall be included for cable management. The door shall be secured with 3mm double bit or slotted latch drive feature. The door shall hinge on the right or left. A barrier shall be present to isolate IT personnel from high voltage power circuit.



TECHNICAL INFORMATION

Standards:	UL 508A Standard for Industrial Control Panels, UL Type 4/12 or 4X, IP66 Rated, CE
Dimensions H x W x D:	Z23U: 36.0 in. x 24.0 in. x 11.7 in. (914mm x 610mm x 297mm) Z22U: 24.0 in. x 24.0 in. x 11.7 in. (610mm x 610mm x 297mm)
Color and material:	Enclosures: Gray, 14 gauge cold roll steel or 316 stainless steel Back panels: 14 gauge galvanized steel or 304 stainless steel
Thermal analysis:	Validated to 140°F/60°C maximum within enclosure at up to 95% (non-condensing) humidity
Installation:	Wall mount with optional outside-mount flange

KEY FEATURES AND BENEFITS

Pre-configured solution:	Reduces time required for planning, designing, procurement, and installation, resulting in simpler specification and faster implementation
Patch field and copper/fiber connectivity:	Enables troubleshooting of network connections and verification of field terminations
Defined equipment locations and cable routings:	Incorporate Panduit developed best practices in connectivity, cable management, wiring, and grounding in a secure enclosure to ensure network reliability
Isolation barrier:	Segregates higher line voltage from lower voltage switch for increased safety
Bonding provisions and grounding bar:	Ensure path to ground to protect personnel and equipment
Mounting flexibility:	Bolt-in-place flange mounting for NEMA applications; optional direct mount through back wall installation maintains NEMA rating when supplied sealing washer is used; reversible door for left or right-hand opening
Detailed installation guide:	Provides easy, repeatable design instructions assuring consistency and saving time on the job-site

APPLICATIONS

The Panduit Pre-Configured Network Zone System protects industrial switches using a building block approach, helping to easily define a plant-wide Ethernet architecture. The system is designed to rapidly deploy the network by minimizing engineering and installation time. With UL Type 4/12/4X and IP 66 ratings, the enclosures provide reliability and high performance, as an integral component of the end-to-end solution for Industrial Networks.

*EtherNet/IP is a trademark of ODVA.

Pre-Configured Network Zone System

3-DIN rail, mild steel, UTP copper:	Z23C-S
3-DIN rail, mild steel, STP copper:	Z23C-SS
3-DIN rail, 316 stainless steel, UTP copper:	Z23C-6
3-DIN rail, 316 stainless steel, STP copper:	Z23C-6S
2-DIN rail, mild steel, UTP copper:	Z22C-S
2-DIN rail, mild steel, STP copper:	Z22C-SS
2-DIN rail, 316 stainless steel, UTP copper:	Z22C-6
2-DIN rail, 316 stainless steel, STP copper:	Z22C-6S

PanZone[®] NEMA 4X Rated Drain Kit

Drain kit:	PZNDVK
-------------------	--------

Fiber Uplink Accessories

Surface mount fiber box:	CBXF6BL-AY
LC OptiCam[®] connector:	FLCDMCXAQY
LC connector module:	CMDSAQLCZBL
LC patch 10Gig patch cord:	FX2ERLNLNSNM001
Mini-Com[®] Single Port DIN Rail Mount Adapter:	CADIN1IG‡

IndustrialNet[™] TX6[™] PLUS Patch Cords

UTP with dust cap:	IUTPSP3BL**
UTP without dust cap:	IUTPSPNC3BL**
Shielded with dust cap:	ISTPSP1MBL***
Shielded without dust cap:	ISTPSPNC1MBL***

‡For standard colors other than International Gray, replace IG in part number with BL (Black), EI (Electric Ivory), IW (Off White), or WH (White).

*For lengths other than 3 feet (5, 7, 10, 15, or 20 feet) change the length designation in the part number to the desired length.

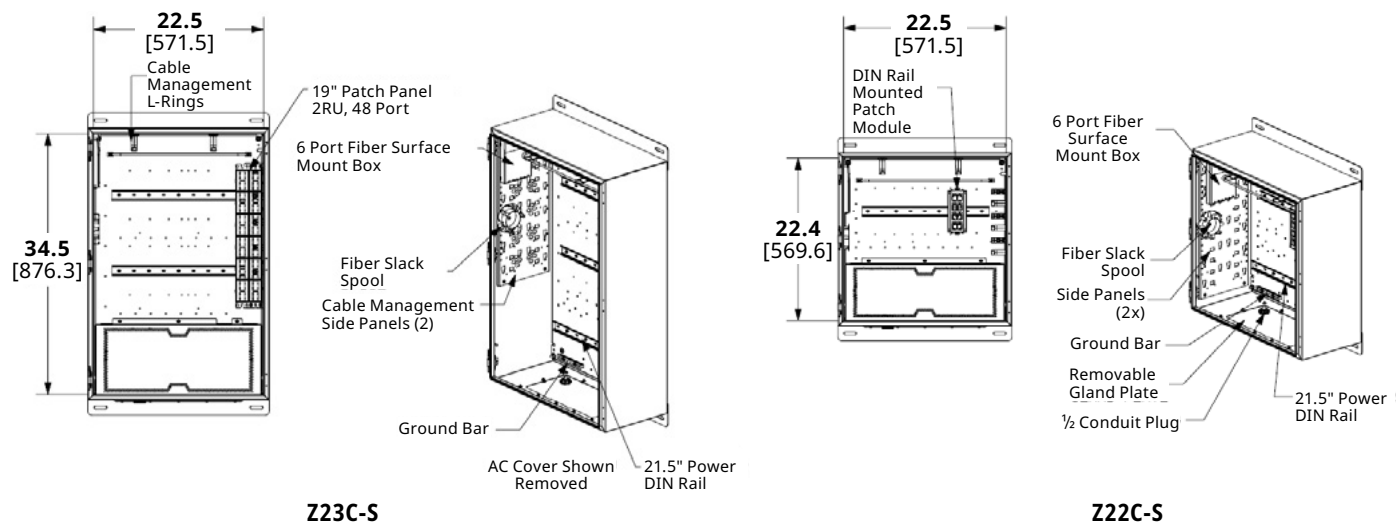
**For lengths other than 1 meter (2, 3, or 5 meters) change the length designation in the part number to the desired length.

Pre-Configured Network Zone System

PRE-CONFIGURED NETWORK ZONE SYSTEM INCLUDED ACCESSORIES

Part Number:	Z23C	Z22C
DIN rail mounting:	(3) 16.7 inch long DIN rails	(2) 16.7 inch long DIN rails
Cable management:	7 inch deep strain relief bar and adjustable ring managers	7 inch deep strain relief bar and adjustable ring managers
Downlink patch field:	19" 48-port patch panel CPP48WBL	(1) 8-port patch panel CDPP8RG
Copper downlink connectivity:	16 Category 6 copper jacks and 16 Category 6 patch cords - 3ft.	8 Category 6 copper jacks and 8 Category 6 patch cords - 3ft.
Uplink connectivity:	6-port fiber surface mount termination box, 6 LC adapter modules, 4 LC patch cords - 1m, and fiber slacking spool	6-port fiber surface mount termination box, 6 LC adapter modules, 2 LC patch cords - 1m, and fiber slacking spool
Isolation barrier:	Barrier to cover high voltage equipment on lower DIN rail	Barrier to cover high voltage equipment on lower DIN rail

ENGINEERING DRAWING



Type 4/12 mild steel enclosures with un-shielded jacks and patch cords shown. Type 4/12 mild steel enclosures with shielded connectivity and Type 4X stainless steel enclosures with shielded and un-shielded connectivity are also available, see part numbers on page 1.

Dimensions are in inches. [Dimensions in brackets are metric].