

ENA, ENB, and END Series Control Panel Enclosures Catalog Page

Description

The ENA, ENB, and END Series Control Panel Enclosures are outdoor rated and designed to provide a solid protection package for the intelligent devices in your building automation system. These National Electrical Manufacturers' Association (NEMA) rated control panel enclosures help you achieve increased flexibility and efficiency with your installations.

The ENA Series Enclosures are NEMA 3R rated and include a silk-screened Johnson Controls® logo and a door on lift-off hinges with a draw pull catch. The sizes range from 10 in. H x 8 in. W x 6 in. D to 30 in. H x 24 in. W x 8 in. D. Featuring a removable cover for easy mounting and access, these enclosures protect components in applications subject to rain, sleet, snow, or dripping water.

The ENB Series Enclosures are NEMA Type 4/12 rated and include a silk-screened Johnson Controls logo and a hinged door with a quarter-turn latch. The sizes range from 20 in. H x 16 in. W x 6 in. D to 24 in. H x 24 in. W x 8 in. D.

The END series enclosures are NEMA Type 4/4X/12 rated and include a silk-screened Johnson Controls logo and a hinged door with a fast-operating clamp assembly. The sizes range from 20 in. H x 16 in. W x 6 in. D to 24 in. H x 24 in. W x 8 in. D.

Perforated subpanels are available with select models of the ENA and ENB Series Enclosures.

The ENA, ENB, and END Series Control Panel Enclosures are compliant with UL and Canadian safety standards.

Features

- UL 50 rated, Canadian Standards Association approved enclosure meets local and national code requirements for United States and Canada (cUL listed)
- NEMA Type 3R, 4/4X/12 rated, ideal for outdoor application use
- 16-gauge steel construction with industry standard ANSI 61 gray powder-coat finish for the ENA and ENB Series Enclosures
- Type 5052 H-32 aluminum for the END Series Enclosures along with stainless steel door clamp assemblies
- Enclosure door with lift-off hinges provides installation and service flexibility
- Perforated sub-panel option for easy mounting of panel components
- Silk-screened Johnson Controls logo on the enclosure door

Note: Use of a subpanel is **necessary** for mounting components in an enclosure.

END Series Control Panel Enclosure



Repair Information

If the ENA, ENB, and END Series Control Panel Enclosures fail to operate within their specifications, replace the units. For a replacement enclosure, contact the nearest Johnson Controls representative.

Selection Chart

Code Number	Description
	Enclosures
PAN-ENA1008WD	NEMA 3R panel, 10 in. H x 8 in. W x 6 in. D enclosure with door and logo
PAN-ENA1616WD	NEMA 3R panel, 16 in. H x 16 in. W x 6 in. D enclosure with door and logo
PAN-ENA2016WD	NEMA 3R panel, 20 in. H x 16 in. W x 6 in. D enclosure with door and logo
PAN-ENA2020WD	NEMA 3R panel, 20 in. H x 20 in. W x 8 in. D enclosure with door and logo
PAN-ENA2424WD	NEMA 3R panel, 24 in. H x 24 in. W x 8 in. D enclosure with door and logo
PAN-ENA3024WD	NEMA 3R panel, 30 in. H x 24 in. W x 8 in. D enclosure with door and logo
PAN-ENB2016WD	NEMA 4/12 panel, 20 in. H x 16 in. W x 6 in. D enclosure with door and logo
PAN-ENB2020WD	NEMA 4/12 panel, 20 in. H x 20 in. W x 6 in. D enclosure with door and logo
PAN-ENB2420WD	NEMA 4/12 panel, 24 in. H x 20 in. W x 8 in. D enclosure with door and logo
PAN-ENB2424WD	NEMA 4/12 panel, 24 in. H x 24 in. W x 8 in. D enclosure with door and logo
PAN-END2016WD	NEMA 4/4X/12 panel, 20 in. H x 16 in. W x 6 in. D enclosure with door and logo
PAN-END2020WD	NEMA 4/4X/12 panel, 20 in. H x 20 in. W x 6 in. D enclosure with door and logo
PAN-END2420WD	NEMA 4/4X/12 panel, 24 in. H x 20 in. W x 6 in. D enclosure with door and logo
	Subpanels
PAN-ENA1008PSP	Subpanel for 10 in. H x 8 in. W enclosure
PAN-ENA1616PSP	Subpanel for 16 in. H x 16 in. W enclosure
PAN-ENA2016PSP	Subpanel for 20 in. H x 16 in. W enclosure
PAN-ENA2020PSP	Subpanel for 20 in. H x 20 in. W enclosure
PAN-ENB2420PSP	Subpanel for 24 in. H x 20 in. W enclosure
PAN-ENA2424PSP	Subpanel for 24 in. H x 24 in. W enclosure
PAN-ENA3024PSP	Subpanel for 30 in. H x 24 in. W enclosure

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Technical Specifications

ENA, ENB, and END Series Control Panel Enclosures		
Enclosure Rating	ENA	NEMA Type 3R
	ENB	NEMA Type 4/12
	END	NEMA Type 4/4X/12
Finish	ANSI 61 gray polyester powder coating (inside and outside over phosphatized surfaces) for ENA and ENB series enclosures. Type 5052 H-32 aluminum for the END series enclosures along with stainless steel door clamp assemblies.	
Terminals	Ground studs on door and in enclosure in accordance with Underwriter's Laboratories, Inc. (UL) 508A	
Wiring	Ground Wire: 14 AWG between door and enclosure box ground studs	
Agency	UL 50 Rated, Canadian Standards Association (CSA) Approved	