

Enclosed Variable Speed Starters

Bridging the Gap

Palmer DCS builds the industry-leading Enclosed Variable Speed Starter (EVSS), featuring the Eaton PowerXL DE1.

Available in two product ranges and three enclosure sizes

Product Ranges:

230V (1 phase in, 3 phase out) 1/3 to 4 HP*

**If required can be wired for 3 phase in and 3 phase out applications.*

460V (1 phase in, 3 phase out) 1/2 to 10HP

Enclosure Sizes:

1/3 to 02HP 14x12x08 NEMA TYPE 1

3 to 10HP 16x12x08 NEMA TYPE 1

1/3 to 10HP 20x16x10 NEMA TYPE 4

The EVSS is ideal for applications which call for motor control of a variable frequency drive, but maintains the lower cost and ease of use of a motor starter. In addition, the EVSS is more energy efficient and provides enhanced motor protection as compared to a motor starter.

Installing an EVSS offers your company a host of benefits including:

- **Out-of-the-Box Commissioning:** No specialized knowledge of drives is required to either install or commission your new Variable Speed Starter.
- **Variable Motor Speed:** Delivers the functionality of a variable frequency drive to even simple applications.
- **Trip-Free Design:** Ensures maximum machine availability by automatically preventing tripping in borderline situations.
- **Easy Paramater Configuration:** Adjust default settings like ramp time, motor protection, and control terminal function using just the plug-in configuration module and a screwdriver.
- **Control and Communication Options:** Full integration with Eaton SmartWire-DT communication system and PowerXL™ drivesConnect software.
- **Eligible for the XCEL Rebates:** In the right application the EVSS could qualify for drive rebates from XCEL Energy.
- **Additional features and benefits**
 - Choice of NEMA Type 1 or NEMA Type 4 enclosure
 - UL Listed
 - HOA switch to control VSS from outside of enclosure
 - Fusing for motor protection
 - Step down transformer for switches, relays & pilot lights
 - Terminal strip for easy field wiring
 - Site glass for monitoring indicator lights on device
 - 2-year warranty



Why Choose Us?

We're not the only ones who do what we do, but we're proud to set the standard for how it should be done.

For nearly 50 years, Palmer DCS has manufactured control panels that have been deployed all over the world and we do so through our exclusive brand of QFR: Quality, Flexibility and Reliability.

We meet the high standards of industry-leading ABB to become an international ABB Authorized Manufacturing Center and System Integrator and member of the ABB Panel Builder Program. This means we operate in seamless cooperation with ABB to bring their products and services straight to your front door.

We are a member of Schneider Electric's Alliance Panel Builder Partner Program. We have the highest technical skills, regulatory adherence and time-saving processes to create high-quality panels for our customers.

We are proud to be a Colorado Company headquartered in Englewood, Colorado we deliver electrical control solutions and custom control panels throughout Denver and Colorado, as well as to clients around the world.



Commitment to Quality

Quality Management System based on ISO 9001:2015

Our quality management system ensures we have the procedures and processes in place to consistently provide products that meet customer and industry requirements, while enhancing customer satisfaction.

UL/CUL 508A Industrial Control Panels

Our UL5018A certification signifies our compliance on various issues including proper component selection, wiring methods and calculation of short circuit current ratings.

UL/CUL 698A NNNY Industrial Control Panels For Use in Hazardous Locations

This certification covers industrial control panels relating to Class I and II, Division 1 and 2 and Class III hazardous locations, which are factory-wired assemblies of industrial control equipment such as motor controllers, switches, relays and auxiliary devices.

Some of our Loyal Partners

Customers: ABB Drives ● DMC ● UE Compression
Leitner Poma ● John Zink ● DualDraw
Stolle Machinery Company ● CFM Company
RK Mechanical ● Metro Wastewater
Long Building Technologies ● Air Purification Company
Lohmiller ● VAF Filtration Systems ● Sundyne

Vendors: AAP Automation ● CED ● CPI Barr Thorp
Rexel ● Component Specialties ● CRUM
Specialized Moving Systems ● CK Engraving
Mikron Manufacturing ● Allied Electronics
FIERO Automation ● Joaquin Manufacturing

Manufacturers: Schneider Electric ● ABB Drives
IDEC ● Rittal ● Phoenix Contact ● Allen Bradley
Ice Cube ● Siemens ● Eaton ● Thermal Edge
ABB Connectivity (TNB) ● ABB Industrial Connections
Saginaw Control & Engineering ● Panduit ● Lutze
ERICO/ERIFLEX ● Pfannenbergl ● Transcoil

CONFIGURE YOUR EVSS TODAY

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