

Enclosed Switch Frequently Asked Questions

1. Where are these units used?

The switch and transformer assembly are used as the primary main switches of unit substations. The target audience we should focus on is the large industrial distributor who put together bid packages on projects involving transformers and switchgear required in substations. A second target would be the large project contractors, however they primarily will get their pricing from the distributor.

2. How are the transformer and switch connected?

The switch is connected to the transformer primary. All connections are cable connected. The cable connections will be furnished with the transformer.

3. Are the transformer and switch going to be shipped fully assembled?

No. There is too much risk of damage to the terminations and/or the throat between the two enclosures to allow for a preassemble shipment. The transformer and switch will ship together (on the same pallet—size permitting), from Pharr, TX.

The transformer will have the cables connected to its primary and the cables will be housed inside the transformer enclosure. Each cable will be plainly marked. The switch has a termination board, which will be clearly labeled for where the corresponding cable is to be connected.

4. What is the lead time when ordering a transformer with a switch?

There will be no impact on the standard lead times we currently offer with our transformer, unless there are special requirements, options on the switch, such as expulsion fuses, that have long lead time components.

5. What switch manufacturers do we offer?

The customer has a choice of 5 manufacturers. Schneider, ABB, Powercon, Eaton & Siemens. If there isn't a preference, Schneider switches will be provided. It should be noted that if Eaton or Siemens switches are selected, the unit will not have a UL label on it.

6. With fusing, how are fuse sizes selected? Who is responsible for selecting/sizing the fuses?

The size of the fuse is based on the transformer it is connected to. The general rule of thumb is to take the self-cooled total load current of the transformer and multiply it by 1.33, that will give you the fuse size. If the total is in-between sizes, go to the next highest fuse rating.

It is the responsibility of the customer to select the fuse sizes.

7. Which side of the transformer does the switch mount on?

The switch is connected to the transformer primary. It can be located on the left side or the right side of the transformer, depending on the installation. Our enclosed switch comes with a universal enclosure to accommodate mounting on either side of the transformer.

8. How do we get pricing?

There is a quote form on our web site, www.jeffersonelectric.com that steps you through selecting the required switch and desired options. You can submit it electronically or print it and fax it in to our customer service team. Our application engineers will develop a quote for you.

Also, if you have a specification on the switch, this too can be submitted, along with the transformer specification.

9. Can I order the switch as a standalone item?

Absolutely. Submit the specification information or fill out the quote template to submit for a quotation.

10. Who is our competition?

Of all the switchgear manufacturers, Schneider promotes offering their enclosed switch connected to their transformers the most. That being said, they have this buried within their switch information, with very little fanfare.

The primary competitors will be the major switchgear packager houses like Powell Industries, Myers Power Products, S & C Electric and RESA Power. They will in most cases work direct, bypassing the distribution channel.