

SELECTING STANDARD MOUNTING ARRANGEMENTS

for
S&C Alduti-Rupter[®] Switches
Indoor Distribution (4.8 kv through 34.5 kv)

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DATA BULLETIN

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APPLICATION

The Standard Mounting Arrangement Scheme for S&C Alduti-Rupter Switches

S&C Alduti-Rupter three-pole switches for indoor distribution are offered in a variety of Standard Mounting Arrangements, for mounting on structural steel or in metal enclosures. This selection of mounting arrangements cuts the user's engineering costs and cuts down on lead time.

The selector chart on page 4 illustrates 20 Standard Mounting Arrangements, classified by:

- Style of switch - main contact at top, handle on right or handle on left; main contact at bottom, handle on right or handle on left
- Type of operating mechanism - direct coupled; chain coupled; pipe coupled.

Many advantages accrue from using one of the Standard Mounting Arrangements:

No Design Delays; No Ordering Delays

Switches can be ordered immediately, and the user can complete the layout and design of his vault, substation, or metal-enclosed switchgear from erection drawings that are readily available. No other drawings are required from S&C to adapt the switches to the majority of applications.

Reduced Shipping Time

Shipping time is greatly reduced, because there is no delay for customized engineering, customer approval, or time-consuming fabrication of out-of-the-ordinary parts.

Stocking Switches for Immediate Use

Standard Mounting Arrangements make it possible for the user to buy and warehouse a quantity of Alduti-Rupter Switches with operating mechanisms for the user's preferred arrangements, for use in future installations. Thus, at any time, a switch may be withdrawn from stock and installed without delay.

No Problem with Last-Minute Changes

In the event of last-minute change, the user can choose a new arrangement from the selector chart, and locate in his engineering files the erection drawing for the desired arrangement. Then, a comparison of the bills of materials on the erection drawings will indicate whether additional or different parts will be required and will permit immediate ordering of such parts.

Erection Drawings Immediately Available

Each Standard Mounting Arrangement in the selector chart is identified with an "ED" number; this number indicates the erection drawing corresponding to the mounting arrangement. Erection drawings are printed in legible, double-page, 11" × 17" format, folded to 8½" × 11" for convenient filing. They are available at no charge. In as many copies as may be required; just ask the local S&C Sales Office for the ED numbers needed.

Each erection drawing is complete with detailed installation data, including an outline drawing of the mounting arrangement, base details, operating-mechanism components details, a bill of materials, installation notes and illustrations, and recommended clearances.

What a Standard Mounting Arrangement Includes

When a Standard Mounting Arrangement is specified, the shipment will include :

- A three-pole switch with Integral quick-make, quick-break mechanism; interphase barriers;* side barriers;* operating-shaft extension (when specified); direct-coupled, chain-coupled, or pipe-coupled operating handle; and other operating-mechanism components, including rod guides and any number of 10'-4" lengths of vertical pipe required by the specifications for any pipe-coupled handle type Standard Mounting Arrangement;
- The appropriate detailed erection drawing;
Complete installation and maintenance instructions.

What About Specials?

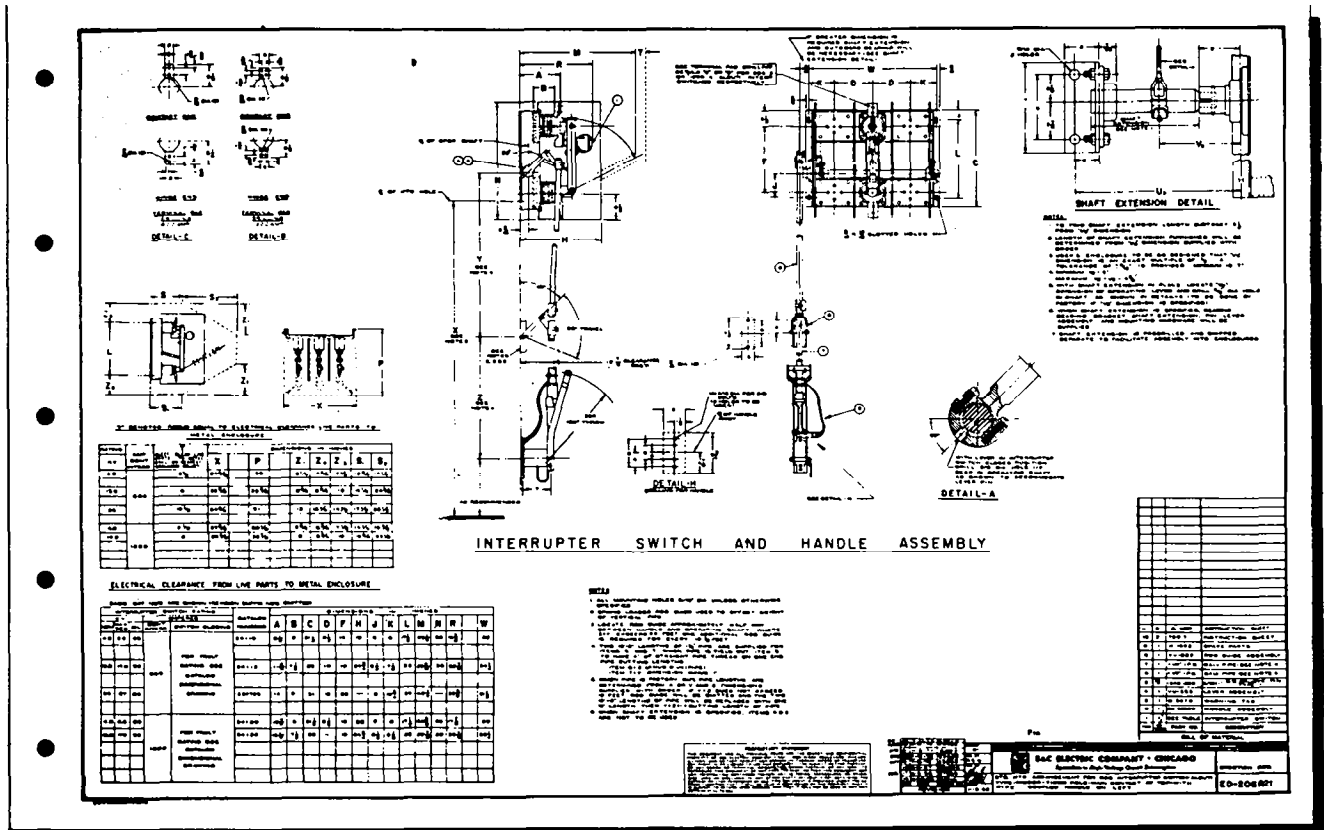
Departures from Standard Mounting Arrangements are easily handled. They fall into two categories:

1. Minor Modifications of Standard Mounting Arrangements.
2. Special Mounting Arrangements.

* Interphase barriers and side barriers are not required, nor furnished, with 25-kv three-pole switches.



Typical ED, Reduced from Full 11" x 17" Size



Minor Modifications

Minor Modifications of Standard Mounting Arrangements are those which include such departures as additional base drillings or special mounting brackets for operating-mechanism components. For this category of "special," S&C will prepare an erection drawing based on the Standard Mounting Arrangement erection drawing.

Special Mounting Arrangements

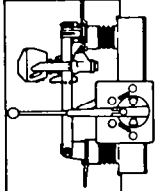
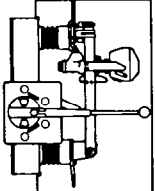
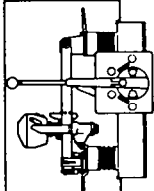
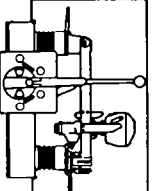
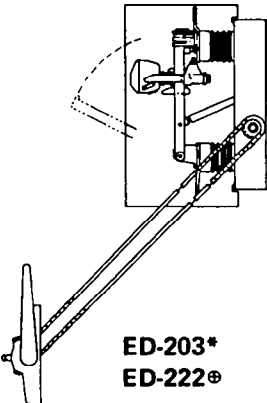
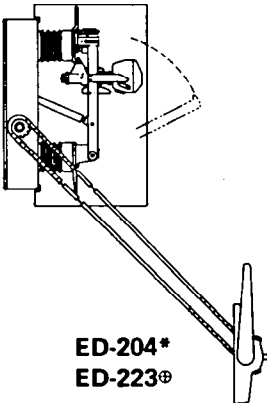
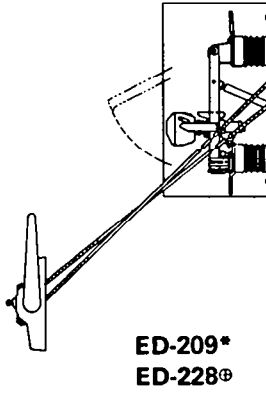
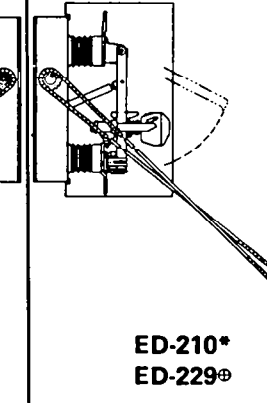
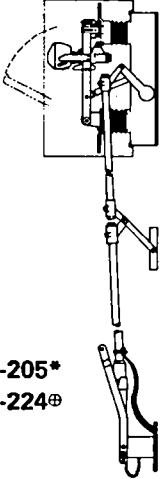
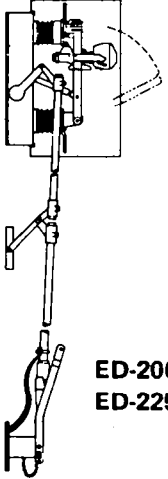
Special Mounting Arrangements are complete departures from the Standard Mounting Arrangements and are usually brought about by S&C's being asked to customize an Alduti-Rupter Switch to fit the user's application. Custom erection drawings will be prepared as required.

Guide to Using the Selector Chart

Each style of Alduti-Rupter Switch - main contact at top, handle on right or handle on left; main contact at bottom, handle on right or handle on left - is described in S&C Descriptive Bulletin 783-31. It is recommended that the bulletin be reviewed before using the selector chart on page 4.

For each switch style, mountings are shown for direct-coupled, chain-coupled, and pipe-coupled operating handles. Each drawing in the chart represents schematically a corresponding Standard Mounting Arrangement erection drawing, which is available as described earlier. The ED number given with each arrangement is the number that should be used in ordering the required erection drawing. The ED number of the drawing supplied may be supplemented with the letter R followed by a digit. This indicates the most recent modification of construction details for that particular Standard Mounting Arrangement.

SELECTOR CHART

Operating Handle	MAIN CONTACT AT TOP		MAIN CONTACT AT BOTTOM	
	Handle on Right	Handle on Left	Handle on Right	Handle on Left
Direct Coupled	 ED-201* ED-220⊕	 ED-202* ED-221⊕	 ED-207* ED-226⊕	 ED-208* ED-227⊕
Chain Coupled	 ED-203* ED-222⊕	 ED-204* ED-223⊕	 ED-209* ED-228⊕	 ED-210* ED-229⊕
Pipe Coupled	 ED-205* ED-224⊕	 ED-206* ED-225⊕		

* For switches rated 4.8, 7.2, and 13.8 kv.

⊕ For switches rated 25 and 34.5 kv.

