**Type RTS Test Switches**

**DESCRIPTION**

STATES Type RTS Test Switches are designed to simplify and speed testing and check-out of relay, control and instrumentation systems. They eliminate the need to change connections and prevent open-circuiting CTs during tests. Featured is a unique arrangement of stationary and sliding contacts in a well insulated glass-filled polycarbonate body. RTS switches are essentially double-pole, double-throw switches operated by push-pull knob. Multiple switches made up of two to four units operated by a single shaft and knob are available in several arrangements (see table below).

**RATINGS**

600 volts, 15 amps

**FUNCTION OF THE DIFFERENT UNITS**  
(When used in conjunction with relays)

**Type C**  
Current Unit - Make-Before-Break  
Short-circuits the current transformer and connects the relay current coil to the test terminals on the switch.

**Type P**  
Potential Unit - Break-Before-Make  
Opens the trip circuit and connects the relay contacts to the test terminals on the switch.

**STANDARD ARRANGEMENTS**

<table>
<thead>
<tr>
<th>Type C: Current Unit</th>
<th>Type A: Ammeter Unit</th>
<th>Type P: Potential Unit</th>
<th>Type S: Single-Pole, Double-Throw Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No. of Units</strong></td>
<td><strong>Unit Arrangement</strong></td>
<td><strong>Part No.</strong></td>
<td><strong>No. of Units</strong></td>
</tr>
<tr>
<td>1</td>
<td>C</td>
<td>25100</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>P</td>
<td>R-261 00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>27100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S</td>
<td>28100</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PC</td>
<td>29102-A</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PP</td>
<td>R-29102-B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CC</td>
<td>29102-C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AA</td>
<td>29102-D</td>
<td></td>
</tr>
</tbody>
</table>

Note: ‘P’ Potential Switches are supplied with red (R) knob unless specified with black knob.

**DIMENSIONS**

Requiring very little panel space, type RTS switches are mounted through a single ½ inch hole in panels up to ⅛ inch thick. Behind the panel, each double-pole, double-throw unit is only 2½ inch high (including terminals) x 1⅛ inch wide x 6⅜ inch long. Single-pole, double-throw switches (Type S) are 4⅝ inch long.
SCHEMATIC DIAGRAM OF CERTAIN “RTS” SWITCHES

“CURRENT” STYLE SWITCH WITH SHORT-CIRCUITING FEATURE

Normal Position

Intermediate Position

Test Position - Note Short-Circuiting Member

“BREAK-BEFORE-MAKE” OR “POTENTIAL” STYLE SWITCH

Normal Position

Intermediate Position

Test Position

“MAKE-BEFORE-BREAK” OR “AMMETER” STYLE SWITCH

Normal Position

Intermediate Position

Test Position

Note: Any of the above switches may be ordered with “pull-out/spring return” or “push-in/spring return” action. Dimensions: Same as noted on Schematic #D-5459 (below) except length back of panel is 11 3/4”.

DIMENSIONS OF TYPE “RTS” SWITCHES

ORDERING INFORMATION

Contact Technical Sales for Ordering Information 1-800-325-4574

See Accessories on page 67.