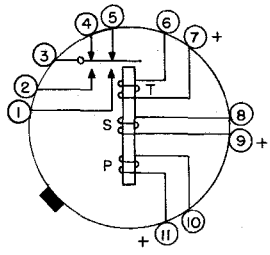
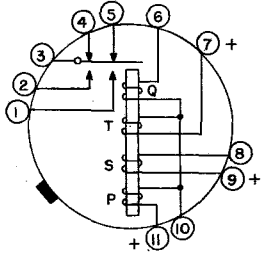


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|                   |               |               |               |               |               |               |               |
|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <p>FIG. 1</p>     | <p>FIG. 2</p> | <p>FIG. 3</p> | <p>FIG. 4</p> | <p>FIG. 5</p> | <p>FIG. 6</p> | <p>FIG. 7</p> | <p>FIG. 8</p> |
| <p>SEE NOTE 5</p> |               |               |               |               |               |               |               |

1. TO OPERATE RELAY ON SPECIFIED VALUES APPLY POSITIVE POTENTIAL AS INDICATED.
2. RELAY FOLLOWS CURRENT REVERSALS.
3. ADJUSTED FOR APPROXIMATELY EQUAL DWELL ON FRONT AND BACK CONTACTS WHEN 18.5 VOLTS RMS 60 CPS SINUSOIDAL VOLTAGE IS APPLIED TO WINDING.
4. CONTACTS AND LEADS SHIELDED FROM COIL.
5. NON-STANDARD TERMINAL NUMBERING. DO NOT USE IN TELEPHONE SYSTEMS.
6. APPLY SOAK ONLY BEFORE OPERATE REQUIREMENT.

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| CODE                                                                                                                                       | BSP<br>FIG. | WDG.  | NOMINAL                                                                             |                                                     | TEST CURRENT IN MILLIAMPERES |      |     |          |      |      | SEE<br>NOTE |      |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------|------|-----|----------|------|------|-------------|------|
|                                                                                                                                            |             |       | RES.                                                                                | TURNS                                               | WDG.                         | SOAK | OPR | NON-OPR. | HOLD | RLS. |             |      |
| 292A                                                                                                                                       | 1           | PRI.  | 200                                                                                 | L $\begin{smallmatrix} +50 \\ -0 \end{smallmatrix}$ | 5525                         | P    | 36  | 17       | 10   | 7.2  | 4.8         | 1, 2 |
|                                                                                                                                            |             | SEC.  | 1000                                                                                | L $\begin{smallmatrix} +90 \\ -0 \end{smallmatrix}$ | 4290                         | S    |     | 25       |      |      |             |      |
|                                                                                                                                            |             | TER.  | 1400                                                                                | L $\begin{smallmatrix} +90 \\ -0 \end{smallmatrix}$ | 5175                         | T    |     | 21       |      |      |             |      |
| 292B                                                                                                                                       | 2           | PRI.  | 200                                                                                 | L $\begin{smallmatrix} +40 \\ -0 \end{smallmatrix}$ | 4040                         | P/S  | 26  | 8.2      | 3.6  | 1.6  | OC          | 1, 2 |
|                                                                                                                                            |             | SEC.  | 200                                                                                 | L $\begin{smallmatrix} +40 \\ -0 \end{smallmatrix}$ | 4120                         |      |     |          |      |      |             |      |
|                                                                                                                                            |             | TER.  | 1175                                                                                | L $\begin{smallmatrix} +50 \\ -0 \end{smallmatrix}$ | 4460                         | T/Q  |     | 9        |      |      |             |      |
|                                                                                                                                            |             | QUAT. | 1025                                                                                | L $\begin{smallmatrix} +50 \\ -0 \end{smallmatrix}$ | 3550                         |      |     |          |      |      |             |      |
|                                                                                                                                            |             |       |                                                                                     |                                                     |                              |      |     |          |      |      |             |      |
| BASE CONNECTIONS-BOTTOM VIEWS<br>MOUNT VERTICALLY ( $\pm 30^\circ$ )                                                                       |             |       |                                                                                     |                                                     |                              |      |     |          |      |      |             |      |
|                                                         |             |       |  |                                                     |                              |      |     |          |      |      |             |      |
| NOTES:<br>1. TO OPERATE RELAY ON SPECIFIED VALUES APPLY POSITIVE POTENTIAL AS INDICATED.<br>2. APPLY SOAK ONLY BEFORE OPERATE REQUIREMENT. |             |       |                                                                                     |                                                     |                              |      |     |          |      |      |             |      |

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Fig. 10 - 292 Relay Codes

[illegible]

BASE CONNECTIONS-BOTTOM VIEWS  
MOUNT VERTICALLY (+30°)

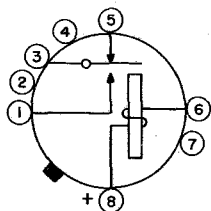


FIG. 1

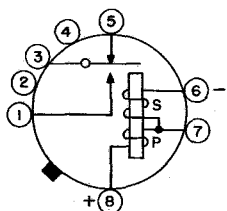


FIG. 2

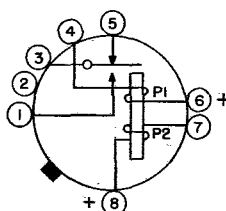


FIG. 3

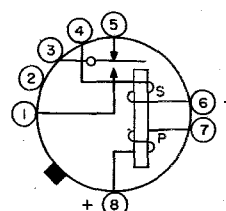


FIG. 4

**NOTES:**

1. TO OPERATE RELAY ON SPECIFIED VALUES APPLY POSITIVE POTENTIAL AS INDICATED.
2. APPLY SOAK ONLY BEFORE OPERATE REQUIREMENT.
3. MFR DISC. REPLACED BY 303E.
4. MFR DISC. REPLACED BY 303F.
5. MFR DISC. REPLACED BY 303G.
6. MFR DISC. REPLACED BY 303H.

7.2263 Switch

Fig. 16 - 291 Relay Codes

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226D Switch

| CODE | BSP<br>FIG. | WDG   | NOMINAL |                 | TEST CURRENT IN MILLIAMPERES |            |             |         |      |              | SEE<br>NOTE |
|------|-------------|-------|---------|-----------------|------------------------------|------------|-------------|---------|------|--------------|-------------|
|      |             |       | RES     | TURNS           | WDG                          | SOAK       | OPR         | NON-OPR | HOLD | RLS          |             |
| 303A | 1           | PRI   | 45      | 2370 $\pm$ 30   | P                            | 66         | 22          | 17.5    |      | 13.5         | 1,2         |
| 303B | 1           | PRI   | 120     | 3960 $\pm$ 30   | P                            | 15         | 5.3         | 2.78    |      | 0.76         | 1,2         |
| 303C | 1           | PRI   | 300     | 6200 $\pm$ 50   | P                            | 15         | 4.5         |         |      | 1.46         | 1,2         |
| 303D | 4           | PRI   | 700     | 5400 $\pm$ 40   | P                            | 28         | 9.4         |         |      | 5.6          | 1,2         |
|      |             | SEC   | 3300    | 14650 $\pm$ 50  | S                            |            | 3.8         |         |      |              |             |
| 303E | 1           | PRI   | 4000    | 20000 $\pm$ 125 | P                            | 6          | 2           |         |      | 1            | 1,2         |
| 303F | 2           | PRI   | 700     | 5400 $\pm$ 40   | P                            | 10.5       | 3.5         |         |      | 0.4          | 1,2         |
|      |             | SEC   | 3300    | 14650 $\pm$ 50  | S<br>P/S                     | 3.6<br>2.7 | 1.22<br>0.9 |         |      | 0.14<br>0.1  |             |
| 303G | 3           | PRI 1 | 118     | 1850 $\pm$ 10   | P1                           | 66         | 22          |         |      | 12.6         | 1,2         |
|      |             | PRI 2 | 118     | 1850 $\pm$ 10   | P2<br>P1/P2                  | 66<br>33   | 22<br>11    |         |      | 12.6<br>6.3  |             |
| 303H | 4           | PRI   | 700     | 5400 $\pm$ 40   | P                            | 16.2       | 5.4         |         |      | 1.86         | 1,2         |
|      |             | SEC   | 3300    | 14650 $\pm$ 50  | S<br>P/S                     | 5.6<br>4.2 | 1.88<br>1.4 | 1.3     | 1.24 | 0.64<br>0.48 |             |

BASE CONNECTIONS-BOTTOM VIEWS  
MOUNT VERTICALLY ( $\pm 30^\circ$ )

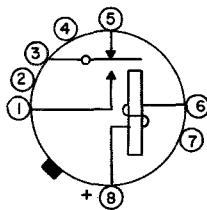


FIG. 1

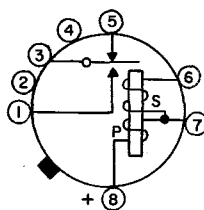


FIG. 2

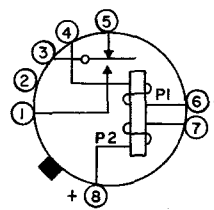


FIG. 3

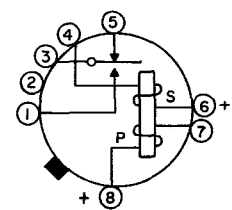


FIG. 4

## NOTES:

1. TO OPERATE RELAY ON SPECIFIED VALUES APPLY POSITIVE POTENTIAL AS INDICATED.
2. APPLY SOAK ONLY BEFORE OPERATE REQUIREMENT.

3. 226D Switch

Fig. 21 - 303-Type Relay Codes