## TRUTH TABLES



| $\begin{aligned} & \text { Readout } \\ & \text { Symbol } \end{aligned}$ | Common C Connected to Terminals $=0$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | $\bigcirc$ |  |  |  |  |  |  |  |  |  |
| 1 |  | $\bigcirc$ |  |  |  |  |  |  |  |  |
| 2 |  |  | $\bigcirc$ |  |  |  |  |  |  |  |
| 3 |  |  |  | $\bigcirc$ |  |  |  |  |  |  |
| 4 |  |  |  |  | $\bigcirc$ |  |  |  |  |  |
| 5 |  |  |  |  |  | $\bigcirc$ |  |  |  |  |
| 6 |  |  |  |  |  |  | $\bigcirc$ |  |  |  |
| 7 |  |  |  |  |  |  |  | $\bigcirc$ |  |  |
| 8 |  |  |  |  |  |  |  |  | $\bigcirc$ |  |
| 9 |  |  |  |  |  |  |  |  |  | 0 |




| Table 7. Code: Binary Coded Octal |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Common C Connected <br> to Terminals= |  |  |
|  | 1 | 2 | 4 |
| 0 |  |  |  |
| 1 | $\bullet$ |  |  |
| 2 |  | $\bullet$ |  |
| 3 | $\bullet$ | $\bullet$ |  |
| 4 |  |  | $\bullet$ |
| 5 | $\bullet$ |  | $\bullet$ |
| 6 |  | $\bullet$ | $\bullet$ |
| 7 | $\bullet$ | $\bullet$ | $\bullet$ |




| Table 15. Code: BCO complement only |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Readout <br> symbol | Common C Connected <br> toTerminals |  |  |  |
|  | $\overline{\mathbf{1}}$ | $\overline{\mathbf{2}}$ | $\overline{4}$ |  |
| 0 | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 1 |  | $\bullet$ | $\bullet$ |  |
| 2 | $\bullet$ |  | $\bullet$ |  |
| 3 |  |  | $\bullet$ |  |
| 4 | $\bullet$ | $\bullet$ |  |  |
| 5 |  | $\bullet$ |  |  |
| 6 | $\bullet$ |  |  |  |
| 7 |  |  |  |  |

## TRUTH TABLES

| $\begin{gathered} \text { Readout } \\ \text { Symbool } \end{gathered}$ | Common C Connected to Terminals $=0$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0 | $\bigcirc$ |  |  |  |  |  |  |  |
| 1 |  | $\bigcirc$ |  |  |  |  |  |  |
| 2 |  |  | $\bigcirc$ |  |  |  |  |  |
| 3 |  |  |  | $\bigcirc$ |  |  |  |  |
| 4 |  |  |  |  | $\bigcirc$ |  |  |  |
| 5 |  |  |  |  |  | $\bigcirc$ |  |  |
| 6 |  |  |  |  |  |  | $\bigcirc$ |  |
| 7 |  |  |  |  |  |  |  | $\bigcirc$ |


| $\begin{array}{\|l\|} \text { Readout } \\ \text { Symbol } \end{array}$ | Common C Connected to Terminals $=0$ |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |  |
| 0 | - |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | $\bullet$ |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  | - |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  | $\bullet$ |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  | $\bullet$ |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  | - |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  | - |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  | - |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  | - |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  | - |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  | $\bullet$ |



| $\begin{array}{\|ll} \hline \text { Table 19. Code: Complement of } \\ \text { 9's complement } \end{array}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Radout } \\ & \text { Symbol } \end{aligned}$ | Common C Connected to Terminals $=\bullet$ |  |  |  |
|  | 1 | $\overline{2}$ | $\overline{4}$ | 8 |
| 0 |  | $\bigcirc$ | $\bullet$ |  |
| 1 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |
| 2 |  |  |  | - |
| 3 | - |  |  | $\bigcirc$ |
| 4 |  | $\bigcirc$ |  | $\bigcirc$ |
| 5 | $\bullet$ | $\bullet$ |  | $\bigcirc$ |
| 6 |  |  | $\bullet$ | - |
| 7 | - |  | $\bigcirc$ | $\bigcirc$ |
| 8 |  | $\bullet$ | $\bullet$ | $\bigcirc$ |
| 9 | - | $\bullet$ | $\bullet$ | $\bullet$ |




| Table 30. Code: 4 Bit Binary |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{c}\text { Readout } \\ \text { symbol }\end{array}$ | Common coonnected to Temminals $=0$ |  |  |  |
|  | 1 | 2 | 4 | 8 |
| 0 | $\bullet$ |  |  |  |
| 1 |  | $\bullet$ |  |  |
| 2 | $\bullet$ | $\bullet$ |  |  |
| 3 |  |  |  |  |
| 4 | $\bullet$ |  | $\bullet$ |  |
| 5 |  |  | $\bullet$ |  |
| 6 | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 7 |  | $\bullet$ | $\bullet$ |  |
| 8 | $\bullet$ |  |  | $\bullet$ |
| 9 |  |  |  | $\bullet$ |
| 10 | $\bullet$ | $\bullet$ |  | $\bullet$ |
| 11 |  | $\bullet$ |  | $\bullet$ |




## TRUTH TABLES

| Table 33. | Code: Repeating Double Pole |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  |  | 1 | 2 | 3 | 4 |
| + - 0 | 0 | - |  |  | $\bigcirc$ |
| + 1 | 5 |  | $\bullet$ | $\bigcirc$ |  |
| + - 0 | 0 | $\bullet$ |  |  | $\bigcirc$ |
| + 1 | 5 |  | $\bullet$ | $\bigcirc$ |  |
| + - 0 | 0 | $\bigcirc$ |  |  | $\bigcirc$ |
| +1 | 5 |  | $\bullet$ | $\bigcirc$ |  |
| +-0 | 0 | $\bullet$ |  |  | $\bigcirc$ |
| + 1 | 5 |  | $\bullet$ | $\bigcirc$ |  |
| +-0 | 0 | $\bigcirc$ |  |  | $\bigcirc$ |
| +1 | 5 |  | $\bigcirc$ | 0 |  |


| Table 34. Code: Berkeley 1-2-3'-4 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|l\|l\|} \hline \text { Readout } \\ \text { Symbol } \end{array}$ | Common Coonnected to Terminals $=0$ |  |  |  |
|  | 1 | 2 | $2^{\prime}$ | 4 |
| 0 |  |  |  |  |
| 1 | - |  |  |  |
| 2 |  | $\bullet$ |  |  |
| 3 | - | $\bullet$ |  |  |
| 4 |  | $\bigcirc$ | $\bigcirc$ |  |
| 5 | - | $\bullet$ | $\bullet$ |  |
| 6 |  |  | $\bullet$ | $\bigcirc$ |
| 7 | $\bullet$ |  | $\bullet$ | $\bigcirc$ |
| 8 |  | $\bigcirc$ | $\bullet$ | $\bullet$ |
| 9 | $\bigcirc$ | $\bullet$ | $\bullet$ | $\bigcirc$ |


| Table 35. | Code: Hexidecimal with Separate Common to Not True Bits |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Readout Symbol | Common X Connected to Terminal = Common Y Connented to Terminal $=$ |  |  |  |
|  | 1 | 2 | 4 | 8 |
| 0 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 1 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 2 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 3 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 4 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 5 | - | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 6 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 7 | - | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 8 | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 9 | - | $\bigcirc$ | $\bigcirc$ | - |
| 10(A) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 11(B) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 12(C) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 13(D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 14(E) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| 15(F) | - | $\bigcirc$ | $\bigcirc$ | - |


| Table 36. Code: grey 16 position |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Common c connected to Terminal $=\bullet$ |  |  |  |
|  | 1 | 2 | 4 | 8 |
|  |  |  |  |  |
|  | $\bullet$ |  |  |  |
| 2 | $\bullet$ | $\bullet$ |  |  |
| 3 |  | $\bullet$ |  |  |
| 4 |  | $\bullet$ | $\bullet$ |  |
| 5 | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 6 | $\bullet$ |  | $\bullet$ |  |
| 7 |  |  | $\bullet$ |  |
| 8 |  |  | $\bullet$ | $\bullet$ |
| 9 | $\bullet$ |  | $\bullet$ | $\bullet$ |
| $10(\mathrm{~A})$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |
| $11(\mathrm{~B})$ |  | $\bullet$ | $\bullet$ | $\bullet$ |
| $12(\mathrm{C})$ |  | $\bullet$ |  | $\bullet$ |
| $13(\mathrm{D})$ | $\bullet$ | $\bullet$ |  | $\bullet$ |
| $14(\mathrm{E})$ | $\bullet$ |  |  | $\bullet$ |
| $15(\mathrm{~F})$ |  |  |  | $\bullet$ |


| Table 37. Code: 4 Bit Binary plus odd parity |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Readout } \\ & \text { Symbol } \end{aligned}$ | Common C Connected to Terminals $=\bullet$ |  |  |  |  |
|  | 1 | 2 | 4 | 8 | P |
| 0 |  |  |  |  | $\bigcirc$ |
| 1 | - |  |  |  |  |
| 2 |  | - |  |  |  |
| 3 | - | - |  |  | $\bullet$ |
| 4 |  |  | - |  |  |
| 5 | - |  | $\bigcirc$ |  | $\bigcirc$ |
| 6 |  | $\bigcirc$ | $\bigcirc$ |  | $\bullet$ |
| 7 | - | - | $\bullet$ |  |  |
| 8 |  |  |  | $\bigcirc$ |  |
| 9 | - |  |  | - | $\bigcirc$ |
| 10(A) |  | - |  | $\bullet$ | $\bigcirc$ |
| 11(B) | - | $\bigcirc$ |  | $\bigcirc$ |  |



Need a special code for your special applica-
tion? Use this blank chart as a worksheet. Then, photocopy and send to Datex. We'll call you immediately to discuss details of your need.

