

| MODEL   |              | VB015  | VB030                                      | VB060                                      | VB110                                      | VB190                                      | VB270                                      | VB350                                      |
|---|--------------|--|--|--|--|--|--|--|
| MAX WORKING TORQUE (IN-LBS)   |              | 133  | 266  | 530  | 975  | 1680                                       | 2390                                       | 3100                                       |
| VOLTAGE (V)   | LOW VOLTAGE  | 12V AC/DC  | 12V AC/DC                                  | 12V AC/DC                                  | 12V AC/DC                                  | 12V AC/DC                                  | 12V AC/DC                                  | 12V AC/DC                                  |
|   |              | 24V AC/DC  | 24V AC/DC                                  | 24V AC/DC                                  | 24V AC/DC                                  | 24V AC/DC                                  | 24V AC/DC                                  | 24V AC/DC                                  |
|   | MULTIVOLTAGE | 100-240V AC                                      | 100-240V AC                                | 100-240V AC                                | 100-240V AC                                | 100-240V AC                                | 100-240V AC                                | 100-240V AC                                |
| WORKING TIME (sec)  |              | 10   | 8  | 9  | 27   | 27   | 50   | 50   |
| TORQUE LIMITER  |              | STD  | STD  | STD  | STD  | STD  | STD  | STD  |
| DUTY RATING   |              | 12VAC/24VAC 50%<br>12VDC/24VDC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC | 12VAC/DC 50%<br>24VAC/DC 75%<br>100-240VAC |
| PROTECTION  |              | IP65   | IP67                                       | IP67                                       | IP67                                       | IP67                                       | IP67                                       | IP67                                       |
| ROTATION  |              | 90°  | 90°  | 90°  | 90°  | 90°  | 90°  | 90°  |
| UPON REQUEST  |              | 180°   | 180° or 270°                               | 180° or 270°                               | 180° or 270°                               | 180° or 270°                               | 180° or 270°                               | 180° or 270°                               |
| MANUAL OVERRIDE   |              | STD  | STD  | STD  | STD  | STD  | STD  | STD  |
| POSITION INDICATOR  |              | STD  | STD  | STD  | STD  | STD  | STD  | STD  |
| WORKING TEMPERATURE   |              | -4°F + 131°F                                     | -4°F + 131°F                               | -4°F + 131°F                               | -4°F + 131°F                               | -4°F + 131°F                               | -4°F + 131°F                               | -4°F + 131°F                               |
| HEATER  |              | STD  | STD  | STD  | STD  | STD  | STD  | STD  |
| ADDITIONAL FREE LIMIT SWITCHES                                      |              | n°2 STD (type SPDT)                              | n°2 STD (type SPDT)                        | n°2 STD (type SPDT)                        | n°2 STD (type SPDT)                        | n°2 STD (type SPDT)                        | n°2 STD (type SPDT)                        | n°2 STD (type SPDT)                        |
| DRILLING ISO 5211   |              | *F03 - F05                                       | *F03 - F05                                 | F05 - F07                                  | F07 - F10                                  | F07 - F10                                  | F07 - F10                                  | F07 - F10                                  |
| SQUARE (in)   |              | 0.43   | 0.43                                       | 0.55                                       | 0.67                                       | 0.67                                       | 0.87                                       | 0.87                                       |
| SQUARE UPON REQUEST   |              | 0.35   | 0.35-0.55                                  | 0.43-0.67                                  | 0.55-0.87                                  | 0.55-0.87                                  | 0.67                                       | 0.67                                       |
| FAIL-SAFE OPERATION (BATTERY BACKUP)                                |              | NOT AVAILABLE                                    | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               |
|   |              | NOT AVAILABLE FOR MOD. 12V                       |  |  |  |  |  |  |
| POSITIONER STD (4~20mA or 0~10 VDC)<br>REVERSE (20~4mA or 10~0 VDC) |              | NOT AVAILABLE                                    | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               |
| LINEAR POTENTIOMETER (5K Ω 1W)                                      |              | NOT AVAILABLE                                    | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               | UPON REQUEST                               |
| ELECTRICAL CONNECTIONS  |              | PG11   | PG11                                       | PG11                                       | PG11                                       | PG11                                       | PG11                                       | PG11                                       |
| WEIGHT (LBS)  |              | 3.09   | 5.07                                       | 7.28                                       | 10.80                                      | 10.80                                      | 13.23                                      | 13.23                                      |

\* F04 or F07 upon request.

| POWER CONSUMPTION |                  |             |           |            |           |            |           |            |           |            |           |            |           |             |             |
|-------------------|------------------|-------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|-------------|-------------|
| MODEL             |                  | VB015       |           | VB030      |           | VB060      |           | VB110      |           | VB190      |           | VB270      |           | VB350       |             |
| VERSION H         | NOMINAL VOLTAGE  | 100-240V AC |           |            |           |            |           |            |           |            |           |            |           |             |             |
|                   | ABSORBED CURRENT | 0.3-0.19 A  |           | 0.4-0.2 A  |           | 0.6-0.3 A  |           | 0.4-0.2 A  |           | 0.6-0.3 A  |           | 0.6-0.3 A  |           | 0.75-0.4 A  |             |
|                   | ABSORBED POWER   | 30-46 VA    |           | 40-48 VA   |           | 60-72 VA   |           | 40-48 VA   |           | 60-72 VA   |           | 60-72 VA   |           | 75-96 VA    |             |
| VERSION L         | NOMINAL VOLTAGE  | 12V AC/DC   | 24V AC/DC | 12V AC/DC  | 24V AC/DC | 12V AC/DC  | 24V AC/DC | 12V AC/DC  | 24V AC/DC | 12V AC/DC  | 24V AC/DC | 12V AC/DC  | 24V AC/DC | 12V AC/DC   | 24V AC/DC   |
|                   | ABSORBED CURRENT | 1.2 A       | 0.6 A     | 2.2-1.8 A  | 1-0.7 A   | 3.8-2.85 A | 1.8-1.2 A | 2.2-1.8 A  | 1-0.7 A   | 3.8-2.85 A | 1.8-1.2 A | 3.8-2.85 A | 1.8-1.2 A | 4.75-3.65 A | 1.95-1.65 A |
|                   | ABSORBED POWER   | 15 VA       |           | 26.5-22 VA | 24-17 VA  | 46-34 VA   | 43-29 VA  | 26.5-22 VA | 24-17 VA  | 46-34 VA   | 43-29 VA  | 46-34 VA   | 43-29 VA  | 57-44 VA    | 47-40 VA    |
| FREQUENCY         |                  | 50/60 HZ    |           |            |           |            |           |            |           |            |           |            |           |             |             |

