



## D24-70-T — Submittal/Technical Data

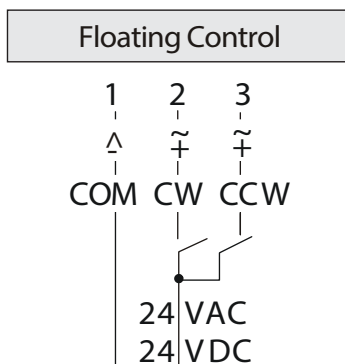
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70 lb-in. — Non-Spring Return — Floating

### Specifications:

|                          |   |
|--------------------------|---|
| Power Supply             | AC 20 to 30 V at 50/60 Hz or DC 24 V $\pm 10\%$ ; 6.5 VA supply minimum; Class 2  |
| Input Signal             | On/Off and Floating: 24 VAC at 50/60 Hz or 24 VDC   |
| Input Signal Adjustments | Floating Factory Setting: Terminals 1 and 2, CW rotation; Terminals 1 and 3, CCW rotation   |
| Time Out                 | Auto shutoff feature to prevent excessive wear or drive time on the motor   |
| Mechanical Output        | D24-70 70 lb-in (8 Nm)  |
| Audible Noise Rating     | 45 dBA at 1 m   |
| Rotation Range           | Adjustable from 0 to 90° in 5° increments, mechanically limited to 93°  |
| Rotation Timing          | D24-70 30 sec. at 50% rated load, 25 to 50 sec. for 0 to 70 lb-in (0 to 8 Nm)   |
| Cycle Life               | 60,000 full stroke cycles   |
| Electrical Connection    | Enclosed Terminal Block(s) for 22 to 14 AWG (insert a maximum of two 18, 20, or 22 AWG per terminal.)   |
| Mechanical Connection    | 3/8 to 3/4 in. (10 to 20 mm) diameter round shaft 3/8 to 5/8 in. (10 to 16 mm) square shaft   |
| Enclosure                | NEMA 2, IP42  |
| Manual Override          | External Push Button  |
| Ambient Conditions       | Operating -4 to 122°F (-20 to 50°C); 0 to 95% RH, non-condensing<br>Storage -40 to 186°F (-40 to 86°C); 0 to 95% RH, non-condensing   |
| Dimensions (H x W x D)   | 7.09 x 3.94 x 2.54 in. (180 x 100 x 64.5 mm)  |
| Shipping Weight          | 2.9 lb (1.3 kg)   |
| Agency Compliance        | United States UL 873 Listed, File E27734, CCN XAPX<br>Canada CSA C22.2 No. 139 Certified, File LR85083, Class 3221 02<br>Europe CE Mark - declares that this product is in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC. |

### Wiring: (Terminal Block)



**NOTE: WARNING:** All D-70 Series actuators are designed for use only in conjunction with operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add safety devices or alarm systems that protect against, and/or warn of, control failure.

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the nearest Taco office. Taco shall not be liable for damages resulting from misapplication or misuse of its products.