



DM24-70-T — Submittal/Technical Data

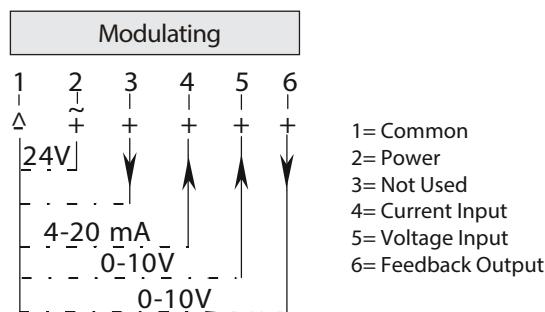
03/08/16

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

Specifications:

Power Supply	AC 20 to 30 V at 50/60 Hz or DC 24 V $\pm 10\%$; 7.5 VA supply minimum; Class 2
Input Signal	Modulating: 0 (2) to 10 VDC, 0 (4) to 20 VDC, or 0 (4) to 20 mA
Input Signal Adjustments	Factory Setting: 0 to 10 VDC, 0 to 20 mA, CW rotation with signal increase Jumper Selectable: 0 (2) to 10 VDC, 0 (4) to 20 VDC, or 0 (4) to 20 mA Action is jumper selectable Direct (CW) or Reverse (CCW) with signal increase.
Control Input Impedance	205k Ohms
Feedback Signal	0 to 10 VDC or 2 to 10 VDC for 90° (10 VDC at 1 mA) Corresponds to input signal span selection.
Mechanical Output	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	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 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 Canada CSA C22.2 No. 139 Certified, File LR85083, Class 3221 02 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, 140, 210, 280 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.

To avoid excessive wear or drive time on the motor, use a controller and/or software that provides a time-out function to remove the signal at the end of rotation (stall).

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.