



## DM24-35 — Submittal/Technical Data

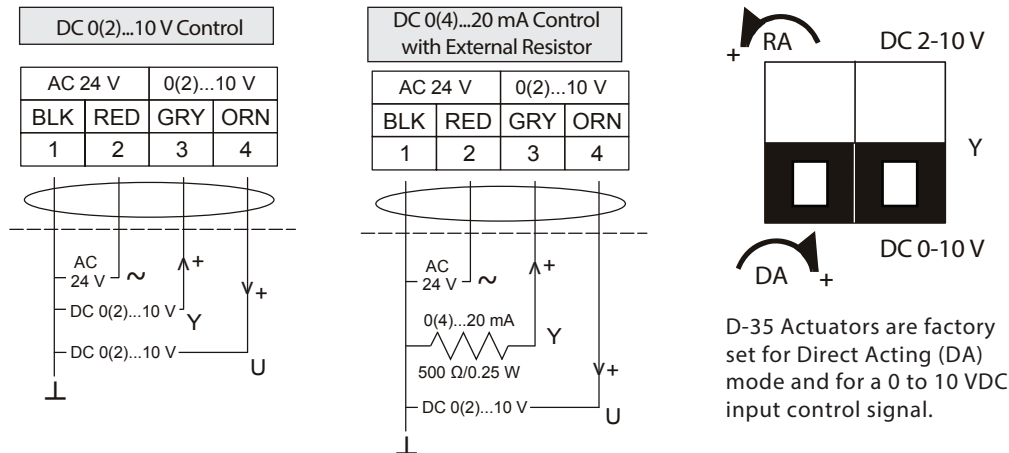
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35 lb-in. — Non-Spring Return — Modulating — Plenum Cable

### Specifications:

Power Supply	Operating Voltage	24 VAC +25%/-20% at 50/60 Hz
	Power Consumption	3.6 VA
Equipment Rating		Class 2 or Safety Extra-Low Voltage (SELV)
Control Signal	Input Signal	0(2) to 10 VDC or 0(4) to 20 mA with field-furnished 500 ohm resistor
	Control Input Impedance	200k 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
Function	Torque	35 in-lbs. (4 Nm)
	Runtime for 90° of Rotation	60 Seconds at 60 Hz / 72 Seconds at 50 Hz
	Rotation Range	93° ±3°, CW or CCW
Mounting	Shaft Size	Up to 1/2 in. (13 mm) Diameter Round Shaft or 3/8 in. (10 mm) Square Shaft
Enclosure		NEMA 2, IP42
Manual Override		External Push Button
Ambient Conditions		Ambient Temperature
	Operating	-4 to 140°F (-20 to 60°C); 90% RH Maximum, Non-Condensing
	Storage	-20 to 150°F (-29 to 66°C); 90% RH Maximum, Non-Condensing
Connection		48 in. (1.2 m) UL 444 Type CMP Plenum Rated Cable with 19 AWG (0.75 mm <sup>2</sup> ) conductors and 1/4 in. (6 mm) ferrule ends
Life Cycle		100,000 Full Stroke Cycles; 2,500,000 repositions at rated running torque
Audible Noise Rating		35 dBA Nominal at 1 Meter
Dimensions		(L) 5.16" x (W) 2.81" x (H) 2.06
Weight		1.0 lb. (0.5 kg)
Agency Certification		United States UL Listed, File E27734, CCN XAPX (United States) and XAPX7 (Canada) Actuator Housing is Plenum Rated per CSA C22.2 No. 236/UL 1995, Heating and Cooling Equipment Europe CE Mark - Product is in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC. Australia and New Zealand C-Tick Mark Australia/NZ Emissions Compliant

### Wiring: (Plenum Cable)



**NOTE:** 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 Bray office. Bray controls shall not be liable for damages resulting from misapplication or misuse of its products.