Spring Return Commercial Actuators - DCS-140 Series





		DCS24-140-(A)	DCS24-140-T-(A)	DCMS24-140-(A)	DCS120-140-(A)	
	Actuator Models	Spring Return On/Off Opt. Auxillary Switches (-A)	Spring Return Floating Opt. Auxillary Switches (-A)	Spring Return Modulating Opt. Auxillary Switches (-A)	Spring Return On/Off Opt. Auxillary Switches (-A)	
	Torque		1			
	Operating Voltage	24 VAC ±20%; 2448 24 VDC ±10% at 50/60 Hz			120 VAC ±10% at 50/60 Hz	
	Power Consumption	VAC - 7 VA Running, 5 VA Holding			Running: 8 VA; Holding: 6 VA	
		VDC - 4 W Running, 3 W Holding				
	Control Input Impedance	N/A	N/A	>100K Ohms	N/A	
	Control Signal	N/A	N/A	2 to 10 VDC or 0 to 10 VDC	N/A	
Electrica	Feedback Signal	N/A	0 to 1000 Ohms <10 mA	0 to 10 VDC; maximum output current ±1 mA	N/A	
בוע	Auxillary Switch Rating (-A Models Only)	AC Rating 24 VAC DC	AC Rating AC 6 A Resistive AC 2A FLA, 12 LRA			
	Switching Hysteresis (-A Models Only)	2°				
	Equipment Rating	Class 2 per UL/CSA			N/A	
	Electrical Connection	36 in. (.9 m) Standard Cable with 18 AWG (0.75 mm2) Wire Leads				
	Conduit Connections	Integral Connectors for 3/8 in. Flex				
	Manual Override	Hex Head Screw				
	Spring Return					
5	Rotation Range		2			
Operation	Runtime for 90° of Rotation	Power On (Running) 90 Seconds Power Off (Returning) 15 Seconds				
)	Cycle Life		60,000 Full stroke cycles	s (1,500,000 repositions)		
	Mechanical Connections					
	Enclosure		NEMA 2, IP54 per EN 60 529	- in vertical to horizontal 90°		
	Ambient Conditions (Non-Condensing)	Ambient Conditions Operating – -25°F to 130°F (-32°C to 55°C); 95% RH Maximum, Nonco				
5	Audible Noise Rating					
	Dimensions					
	Weight	11-13/16" (L) x 4-3/4" (W) x 2-7/8" (H) 4.85 lb (2.2 kg)				
conditions	Agency Certifications	UL listed to UL60730 (to replace UL873) cUL certified to Canadian Standard C22.2 No. 24-93				
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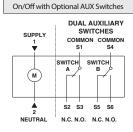


Spring Return Commercial Actuators - DCS-140 Series Wiring



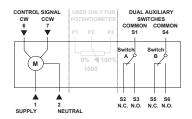
KEY					
	Cable	9	Function		
No.	Color		Function		
1	Red (RD)		System potential AC 24 V / DC 2448 V		
2	Black (BK)		System neutral		
6	Violet (VT)		Pos. signal AC 0 V / AC 24 V / DC 2448 V, "open"		
7	Orange (OG)		Pos. signal AC 0 V / AC 24 V / DC 2448 V, "close"		
8	Gray (GY)		Pos. signal DC 010 V, 035 V		
9	Pink (PK)		Position indication DC 010 V		
3	Brown (BN)		Phase AC 120/230 V		
4	Blue (BU)		Neutral conductor		
Auxillary Switch - Factory Installed					
S1	S1	Gray	//Red (GY RD)	Switch A Input	
S2	S2	Gray	//Blue (GY BU)	Switch A - N.C.	
S3	S3	Gray	//Pink (GY PK)	Switch A - N.O.	
S4	S4	Blac	k/Red (BK RD)	Switch B Input	
S5	S5	Black	k/Blue (BK BU)	Switch B - N.C.	
S6	S6	Blac	k/Pink (BK PK)	Switch B - N.O.	

DCS24-140-(A)	
STANDARD CABLE	
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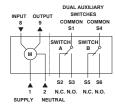
DCS24-140-T(A)
STANDARD CABLE

Floating with Optional AUX Switches



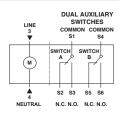
DCMS24-140-(A)		
	STANDARD CABLE	

Modulating with Optional AUX Switches



DCS120-140-(A)		
STANDARD CAB	LE	

120 V On/Off with Optional AUX Switches



Warning - These 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.

Disclaimer - 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.



