

DIRECTIONAL CONTROLS

E4

SOLENOID OPERATED DIRECTIONAL VALVES WITH INTEGRATED ELECTRONIC RELAY







Electronic Relay Incorporated Solenoid Operated Directional Valves

Drive power source and signal are separate.

The valve is actuated by operating a built-in switch using a very small current signal (about 10 mA) when the solenoid is energised.

• A Direct Drive by a programmable controller is now possible. As the valve can be actuated by a very small current, as we have mentioned, a Direct Drive is possible on the output circuit of the programmable controller or sequence controller.

Simple construction and stable operation.

Since the valve is a direct type, the construction is quite simple. Also the solenoid is the well proven wet armature type, which can withstand contamination.

Therefore a stable operation can be obtained.



Specifications

Valve Type	Model Numbers	Max. Flow ★ L/min (U.S.GPM)	Max. Operating Pressure MPa (PSI)	Max. T-Line Back Pressure MPa (PSI)	Max. Changeover Frequency Cycle/min {min-1}	Mass kg (1bs.)
Standard Type -	T-DSG-01-3C*-D24*-70/7090	100	35 (5080)	21 (3050)	300	1.85 (4.08)
	T-DSG-01-2D2-D24*-70/7090	100 (26.4)				1.03 (4.00)
	T-DSG-01-2B*-D24*-70/7090	(20.1)				1.4 (3.09)
Shockless Type	T-S-DSG-01-3C*-D24*-70/7090	63	25	21 (3050)	120	1.85 (4.08)
	T-S-DSG-01-2B2-D24*-70/7090	(16.6)	(3630)		120	1.4 (3.09)
Standard - Type -	T-DSG-03-3C*-D24*-50/5090	120	31.5 (4570)	16 (2320)	240	5 (11.03)
	T-DSG-03-2D2-D24*-50/5090	(31.7)	Spool Type 60 Only			
	T-DSG-03-2B*-D24*-50/5090	(5117)	25 (3630)			3.6 (7.94)
Shockless Type	T-S-DSG-03-3C*-D24*-50/5090	120	25 (3630)	16 (2320)	120	5 (11.03)
	T-S-DSG-03-2B2-D24*-50/5090	(31.7)			120	3.6 (7.94)

[★] Maximum flow indicates a ceiling flow. As the ceiling flow depends on the type of spool and operating condition the same as those for standard DSG-01/03, refer to the List of Spool Functions on pages 347 - 351 (DSG-01) and 364 - 368 (DSG-03) for details.

Model Number Designation

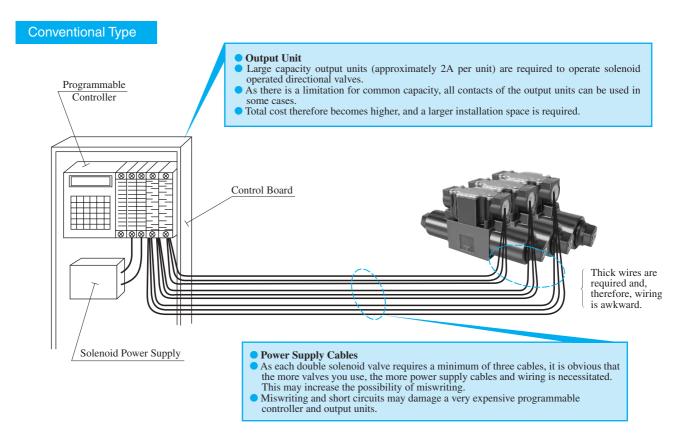
F-	T-	S-	DSG	-03	-2	В	2	Α	-D24	M	-70	*	-L
Special Seals	Control Type	Туре	Series Number	Valve Size	Number of Valve Position	Spool-Spring Arrangement	Spool Type	Special Two Position Valve	Coil Type	Supply Type of Signal Power	Design Number	Design Standard	Models with Alternate Offset Solenoid
	T: Electronic			01					DC	None: Internal Signal Power	70		
Relay Incorporated Type		03					D24	M : External Signal Power	50				

[★] Please refer to the valve type DSG-01 and DSG-03 shown on page 346 and 363 for the area shaded.

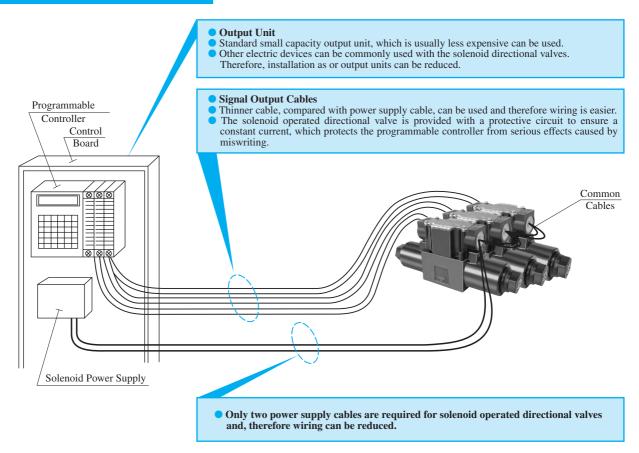
For details, please contact us.



Comparison of The Conventional Type and The Electronic Relay Incorporated Type



Electronic Relay Incorporated Type





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