

BFDM instructions

Features

- Suitable for double proportional and directional valve without feedback
- Differential Input $\pm 10\text{ V}$
- Current Input 4 to 20 mA
- The 24 V input
- The CPU features a 32 bit processor
- Minimum drive current is adjustable in real-time, and no greater than the maximum drive current of 2.5A (factory default is 0)
- Maximum drive current of 2.5A and adjustable, adjustable range is the minimum value to 2.5A(factory default is 2.5A)
- The ramp-up speed and the lowering speed can be set (0.01–9.99s) (factory setting speed 0 seconds)
- Display adjustment work status, functions and parameters by means of LEDs, buttons and digital tubes
- User data set can be stored, protected with a password
- The system comes with a reference voltage output for connection to an external potentiometer as an input control signal
- High frequency PWM servo drive technology and fast driving circuit

Pin assignment

Terminal	Function
1 V+	-10...10V (-10V...0V Electromagnets a, 0...10V Electromagnets b)
2 V-	0V
3 NC	Empty
4 NC	Empty
5 I-	Current signal output terminal
6 I+	Current signal input terminal (4~20mA)
7 NC	Empty
8 VR+	Reference voltage + 10V output (10K or 20K potentiometer connected to one end of the)

9	VR-	-10V Output (the other end connected to 10K or 20K potentiometer)
10	+US	The + 24V power input (V+)
11	GND	Power input (V-)
12	a+	Solenoid valve output positive terminal (current: 0...2.5A)
13	a-	Solenoid valve output negative terminal
14	b+	Solenoid valve output positive terminal (current: 0...2.5A)
15	b-	Solenoid valve output negative terminal