

## Contact Details

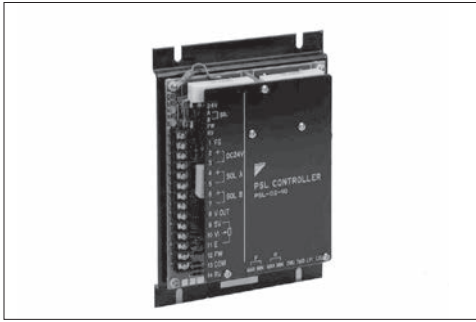
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# Shockless Reversal Controller



## Features

- Enables shockless reversal with heavy loads.
- The constant current characteristics suppress the power supply voltage fluctuation, and the output current fluctuation due to temperature rise of the solenoid, to almost zero.
- The output current waveforms (dither frequency, amplitude) are set to optimize the hysteresis and resolution of solenoid operated proportional control valves.

## Nomenclature

**PSL - 02 - 20**

1

2

3

### 1 Model No.

PSL: Shockless reversal controller

### 2 Applicable control valve size

02: ¼

### 3 Design No. (The design No. is subject to change)

## Specifications

Power supply voltage	DC 24 V (Capacity of 2 A minimum)	
Permissible voltage fluctuation	-10 to +10% (ripples included)	
Applied load	Proportional solenoid (DC 12 V)	
Command input	DC 0 to 5 V or 1 to 5 kΩ potentiometer	
Output current	0 to 1600 mA	
Power consumption	45 VA maximum	
Input impedance	55 ±5 kΩ	
Dither	Factory adjusted	
Response time adjustment range	TMU	Approx. 0.1 to 1.1 seconds (at maximum output)
	TMD	Approx. 0.1 to 1.1 seconds (at maximum output)
Operating ambient temperature	0 to 50°C	
Operating ambient humidity	20 to 90%RH	
Vibration resistance	2.2 G (21.6 m/sec <sup>2</sup> ), 3 directions: 2h each	

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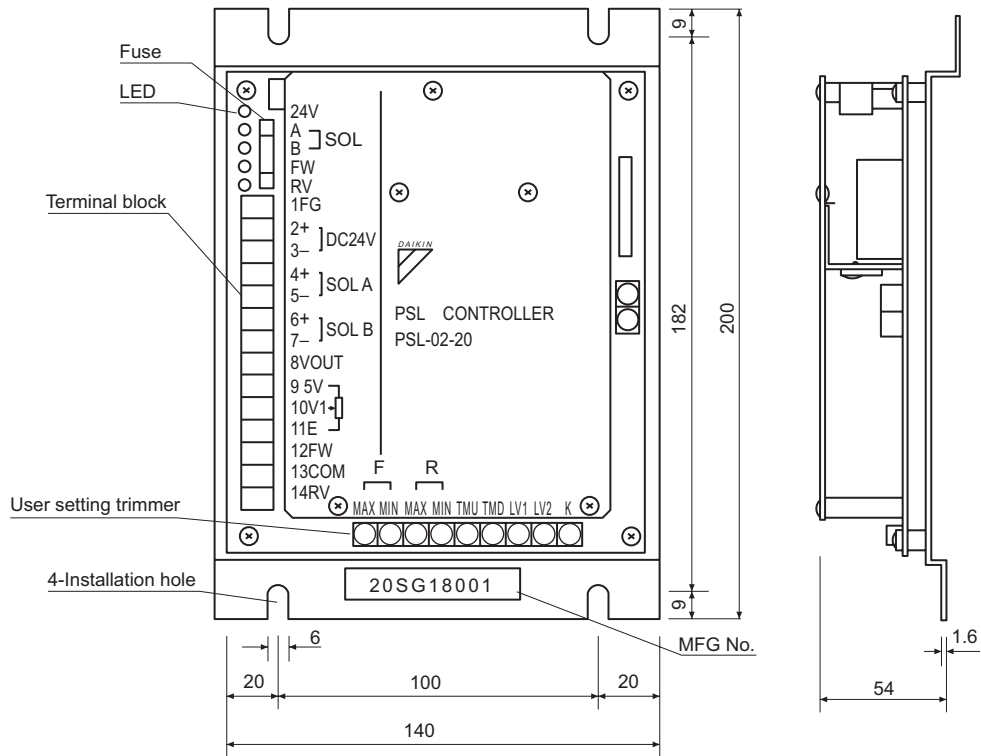
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## External dimension diagram

PSL-02-10



## Circuit configuration diagram

## Wiring diagram

