

JIS D 5703-1995



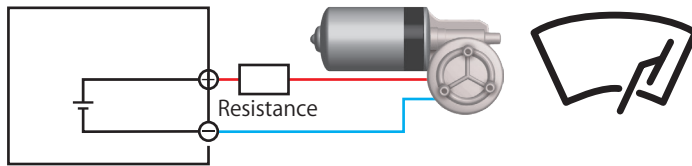
## Windshield wiper motors for automobiles

In the test of the Windshield wiper motor, some automobile manufacturers may be asked to test it with a voltage drop due to wire harness resistance (series resistance as like as 50 mΩ). At that time, they connect a resistor in series with the power supply. However, if the internal resistance variable function of the PSW is used, the test including the voltage drop can be performed only by the power supply.

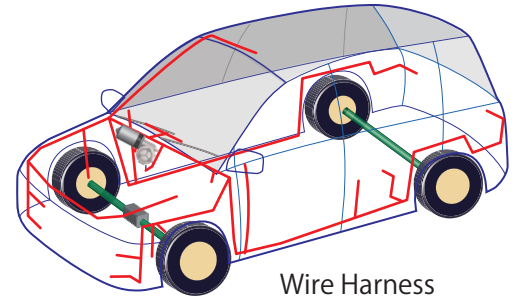
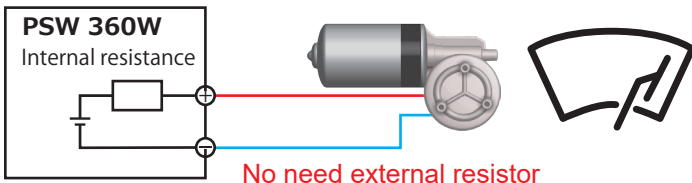
Effective PSW function for testing:

- Series resistance of wiring: Simulate with internal variable resistance function.
- Durability test: Repeat ON / OFF in test mode.

General power supply



PSW30-36 Internal resistance setting range : 0.000Ω~0.833Ω



### Example : Test script

Test Script (CSV File)

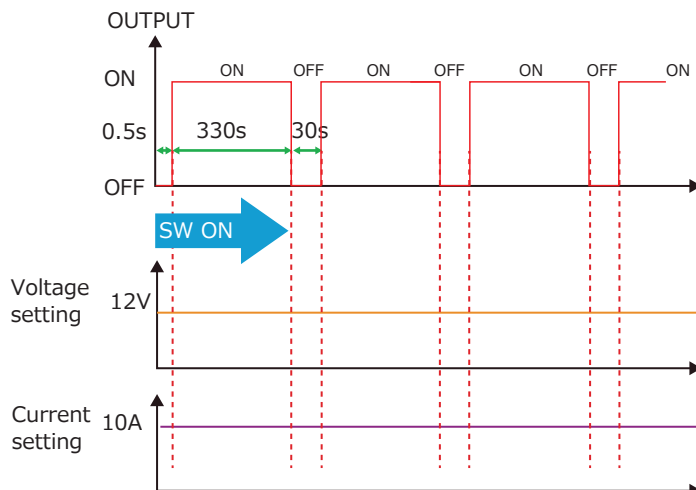
	A	B	C	D	E	F
1	memo	Hone test				
2	DisplayItem	VI				
3	CycleItems	Number	Start Step	End step		
4	Cycle	4000	2	3		
5	Step	Point	Output	Time(sec)	Voltage(V)	Current(A)
6		1	Start	Off	0.5	0
7		2	On	330	13	10
8		3	Off	30	13	10
9		4	End	Off	0.5	0
10						

using spreadsheet like Microsoft® Excel® spreadsheet.

OUTPUT ON: 5.5min  
 OUTPUT OFF: 0.5min  
 Voltage : 12.0V  
 Current : 10.0A  
 IR(Internal Resistor) : 0.05  
 Cycle : 4,000



### Pattern : Durability test



### 3 Times Multi-range(V&I) Operation

360W = 6V, 60A  
 360W = 12V, 30A  
 360W = 24V, 15A

PSW30-36 Operating Area

