

# Magnetic Field Resistant 2-Color Indication Type Solid State Auto Switch

## D-P4DWL/Z



### Grommet

- It is possible to use in an environment which generates a magnetic field disturbance (AC magnetic field).
- The proper operating range can be determined by the color of the light. (Red → Green ← Red)



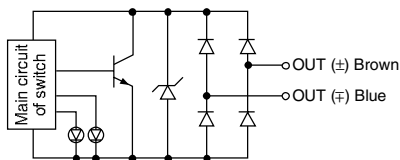
### Caution

#### Precautions

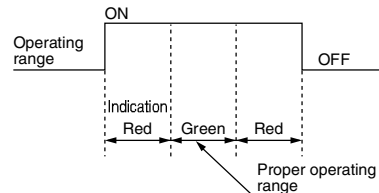
For single-phase AC welding machines. Not applicable for DC inverter welding machines (including rectifying type) and or condenser type welding.

### Auto Switch Internal Circuit

#### D-P4DWL/Z



#### Indicator light/Display method



### Auto Switch Specifications

PLC: Programmable Logic Controller

#### D-P4DWL/Z (With indicator light)

Auto switch model	D-P4DWL	D-P4DWZ
Applicable load	24 VDC relay, PLC	
Load voltage	24 VDC (20 to 28 VDC)	
Load current	6 to 40 mA or less	
Internal voltage drop	5 V or less	
Leakage current	1 mA or less at 24 VDC	
Operating time	40 ms or less	
Indicator light	Operating range ..... Red LED illuminates. Proper operating range ..... Green LED illuminates.	
Standard	CE marking	

- Lead wires — Oilproof heavy-duty vinyl cord,  $\phi 6$ , 0.5 mm<sup>2</sup>, 2 cores (Brown, Blue), D-P4DWL: 3 m, D-P4DWZ: 5 m

Note 1) Refer to page 1272 for solid state auto switch common specifications.

Note 2) Refer to page 1272 for lead wire lengths.

### Mass

(g)

Auto switch model	D-P4DW	
Lead wire length (m)	0.5	—
	3	150
	5	244

### Magnetic Field Resistance

If the current of the AC welding machine is 16000 A or lower, the auto switch can be used, even if the distance between the welding conductor (gun cable) and the cylinder or switch is 0 mm. Please contact SMC when the AC welding current exceeds 16000 A.

### Dimensions

(mm)

