



## Features

- ◆ Advanced configurations: with main electric components purchased from world famous suppliers and remote control module;
- ◆ Multi-function: with heating and cooling, manual and auto. Defrost, automatically data-saving when power off, with quick reset to defaults, with box temperature difference compensation, compressor protection, voltage detection, and fuse detection function...
- ◆ Reliable: In 2016, we support over 8000 sets electric control systems for China refrigeration industry.
- ◆ Full waterproofing: greatly avoid of units failures caused by rains and human factors
- ◆ Various application: widely used for single, dual or 3 temperature-zone control; for fresh keeping or frozen keep; for split units or diesel units; for refrigeration units with or without electric standby; and for vehicles with CAN Bus interface.
- ◆ Complete trouble detection system; easy for trouble-shooting and maintenance.
- ◆ High resistance capacity for power supply surge with 0~50V working voltage

### DP 1181 Controller Technical Data

Model	DP1181
Outlook Dimensions	102*37*43mm
Install Type	Flat mounting with bracket; adjustable elevation
Working voltage	DC8V~DC40V continuously power
Voltage options	DC12V or DC24V; or manually choosing
Static power	0.3W ( Working power consumption of the controller only )
Resistance Capacity for Transient Voltage Surge	Max. 180V, 50ms (Surging frequency is or less than 1 minute each time)
Temperature Setting Accuracy	1 Celsius degree
Temperature Setting Range	The parameter can be set manually
Temperature Display Accuracy	0.1 Celsius degree (Continuously linear changing)
Temperature Display Range	-40 ~ +85 Celsius degree
Temperature Sensor Model	B=3275K, R25=5KOhm at +25 Celsius degree
Signal Type of Pressure Switch	1 circuits pressure detection. earthing normally; off and suspending when there is a fault
Output Driven Power and Type	Max. 1A, the output is high voltage level
Output Type and Functions	Relay output(Evaporator fan; Condenser fan; Defrost valve; and Compressor, standby compressor, standby controller or excitation)
Temperature Detection Function	Box inside temperature(air return temperature); Defrost temperature; Air outlet temperature
Fault Alarming Type	<ol style="list-style-type: none"> <li>1. Voltage alarm</li> <li>2. Pipeline pressure alarm</li> <li>3. Sensors faults alarm</li> <li>4. Fuse fusing alarm</li> </ol>
Main Parameter Settings	<ol style="list-style-type: none"> <li>1. Defrost interval time, Defrosting time and Dripping time.</li> <li>2. Cooling return difference temp.</li> <li>3. Defrost termination temp.</li> <li>4. Defrost termination temp.</li> <li>5. Heating return difference temp.</li> <li>6. Max. setting temp</li> <li>7. Mini. setting temp.</li> <li>8. Compensation for temp.</li> <li>9. Evap. fan running mode</li> <li>10. Power source voltage options</li> </ol>
Software Control Features	Pay attention to control details; perfect for protection and maintenance of vehicle battery and refrigeration units
Water-proofing Degree	IP54
EMC Test Standard	Conform to ISO11452 standards
Power Source Standard	Conform to ISO7637-2 standards
Shell Material and overall Weight	Flame retardant ABS, 135g