Zhengzhou Guchen Thermo Co,.Ltd.
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GUCHEN THERMO
Transport Refrigeration System

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

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DP 1158 Controller Technical Data-- for Refrigeration Unit with Electric Standby

Model	DP1158
Outlook Dimensions	127*37*58mm
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	1. Voltage alarm 2. Pipeline pressure alarm 3. Sensors faults alarm 4. Fuse fusing alarm
Main Parameter Settings	1. Defrost interval time, Defrosting time and Dripping time. 2. Cooling return difference temp. 3. Defrost termination temp. 4. Defrost termination temp. 5. Heating return difference temp. 6. Max. setting temp 7. Mini. setting temp. 8. Compensation for temp. 9. Evap. fan running mode 10. Power source voltage options
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, 195g