RedDOT®
CORPORATION
REDy FOR ANYTHING

71R3350

ELECTRONIC THERMOSTAT

A smarter drop-in replacement.

The Red Dot electronic thermostat is a reliable drop-in replacement for several mechanical thermostats. It is designed for over 100,000 full-load switching cycles, and its microprocessor controller limits on-off cycling to no more than 4 cycles per minute.

OPERATING RANGE

−40°C to +85°C

Thermal cycle and thermal shock tested to SAE J1455.

KEY BENEFITS

100,000
Full-load cycles
Minimum mechanical life

4 /MIN
Max clutch cycling
Microprocessor protects the compressor

9–32 VDC
Operating voltage
One part for 12 V and 24 V systems

AT A GLANCE · SET POINTS CUSTOMIZABLE

31 °F	39 °F	29 IN	3 A	12/24 VDC
Cut out ±1°F	Cut in ±1°F	Probe length	@ 24 V · 6 A @ 12 V	

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SPECIFICATIONS

Built for the cycles that matter.

PART

Type	**Electronic with thermistor probe**	
Manufacturer	**Red Dot**	
Manufacturer part no.	**RD-6-5893-0**	
Red Dot part no.	**71R3350**	
Red Dot no.	**RD-6-5916-0P**	

PROBE & CONTROL

Probe length	**29"**	740 mm
Probe type	**Thermistor in 6" copper probe**	152 mm
Switching mechanism	**Electronic, internal relay**	
Cut out temperature	**31°F ±1°F**	customizable
Cut in temperature	**39°F ±1°F**	customizable
Compressor protection	**Clutch cycle limiting, 4 cycles/min max**	

ELECTRICAL

Operating voltage	**9 to 32 VDC**	
Low voltage cut out	**9 VDC**	
Current rating	**3 A at 24 VDC · 6 A at 12 VDC**	
Terminals	**0.25" spade terminals × 3**	
Mating connector	**Delphi 02973407 2-pin unsealed + female spade (ground)**	
Connections	**Power, line out (interchangeable), ground**	

DURABILITY

Operating temperature	**-40°C to +85°C**	-40°F to 185°F
Mechanical life	**100,000 full-load switching cycles min.**	
Thermal cycle test	**SAE J1455 (-40°C to 85°C)**	
Thermal shock test	**SAE J1455 (-40°C to 100°C)**	
Case	**Nylon**	

IMPLEMENTATION

Used in these RedDOT units

R-1630 · **R-2300** · **R-5040** · **R-8500** · **R-8545** · **R-9520** · **R-9757** · **R-9777** · **R-9800**

Contact your local Red Dot distributor for ordering information.

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