



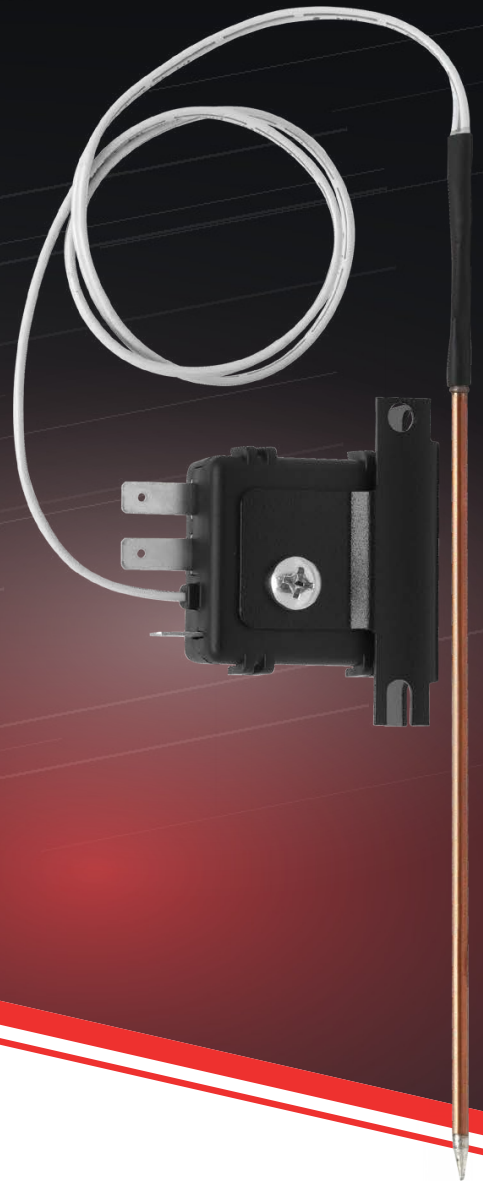
71R3350

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

Cut out $\pm 1^\circ\text{F}$

39 °F

Cut in $\pm 1^\circ\text{F}$

29 IN

Probe length

3 A

@ 24 V · 6 A @ 12 V

12/24 VDC

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.