

Index Electronic Temperature Switches are built to endure tough conditions

Ideal for engines, transmissions, fuel, and fan control, Index Temperature Switches are designed to give you precise temperature control, indication, warning, alarm, and monitoring for thousands of heavy-duty applications.

Index Temperature Switches are built to withstand tough conditions and remain highly accurate in extreme environments. With no moving parts to wear out, they keep operating through whatever situation they face.

Solid State/PWM Electronic Temperature Switches

- Offers long life and high precision for tough applications.
- One or two independently specifiable temperatures.
- Combine and coordinate two functions in one device.
- Quick response time.
- Solid state design assures years of accurate switching.
- Reverse polarity protection.

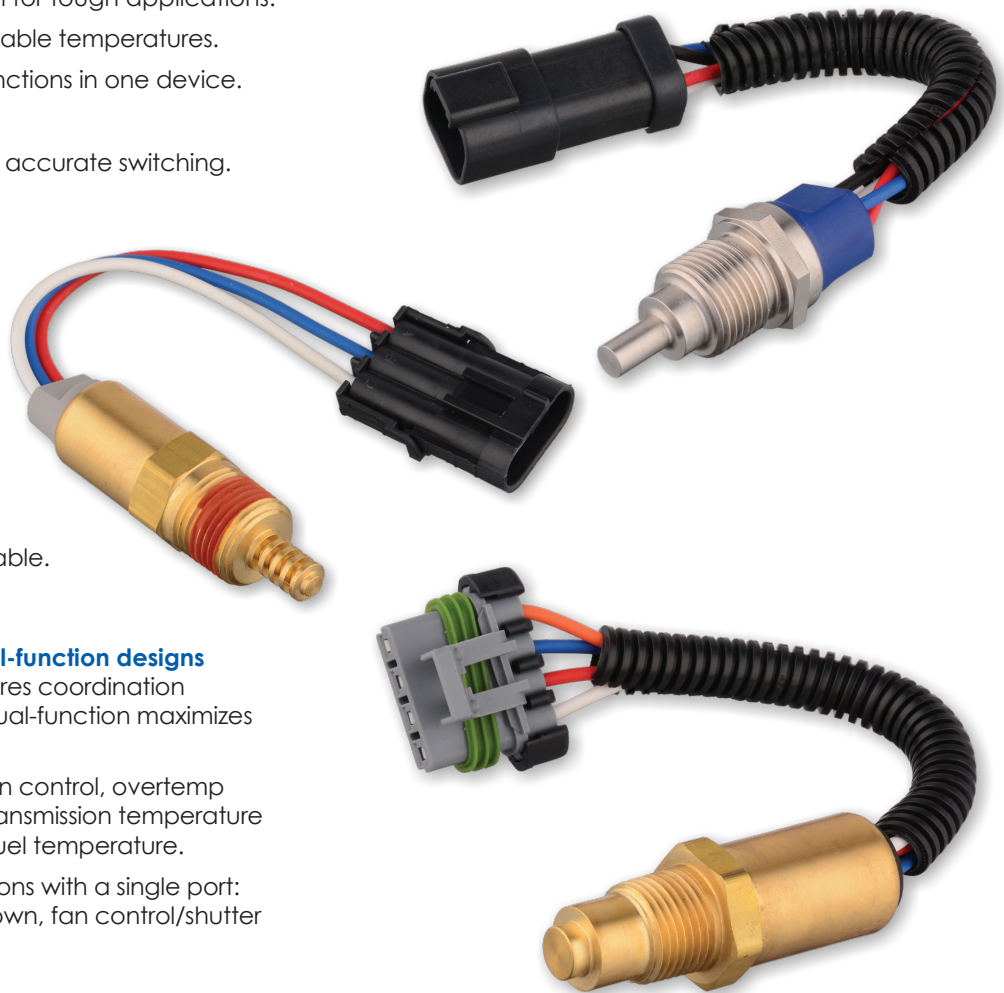
■ Versatile performance

- Accurate to $\pm 1.5^{\circ}\text{F}$.
- Functions from -20° to 230° F (-29° to 110° C).
- Fully custom set and reset points.
- Operates in a variety of fluids.
- Numerous fittings and connectors available.
- Customizable PWM outputs available.
- Gauge driving available.

■ Available in either single- or dual-function designs

Two outputs from one location assures coordination of functions through one device. Dual-function maximizes the use of limited installation ports.

- Single-function: shutter control, fan control, overtemp warning/engine shutdown, low transmission temperature (-10° to 32° F / -23° to 0° C), and fuel temperature.
- Dual-function provides two functions with a single port: overtemp warning/engine shutdown, fan control/shutter control.



Air-sensing Fan Drivers with special fast-response tip

Function 1		Function 2		Sourcing	Sinking	Connector	INDEX P/N	Description	OEM	OEM PN
Set Point	Mode	Set Point	Mode							
150	NC			◆		Deutsch Receptacle	8036154	TE Air Snk 150 NC H1 C9 Intake Air Temp Sw		
150	NC			◆		Weatherpack Shroud	8036186	TE Air Src 150 Nc H1 C7 Intake Air Temp Sw		
190	NO			◆		Deutsch Plug	8036098	TE Air Src 190 NO H1 C8 Intake Air Temp Sw		

Contact **INDEX** today for more information on products and services

toll free 800-726-1737 ■ local 360-629-5200
sales@indexsensors.com ■ www.indexsensors.com

Electronic Temperature Switches

Solutions that Make Sense

For over 40 years, Index Sensors and Controls, Inc., has been a leading manufacturer of switches, sensors, and controls for the commercial truck, engine, agricultural, off-road, and industrial equipment markets. Our products monitor, control, and protect some of the world's toughest equipment.

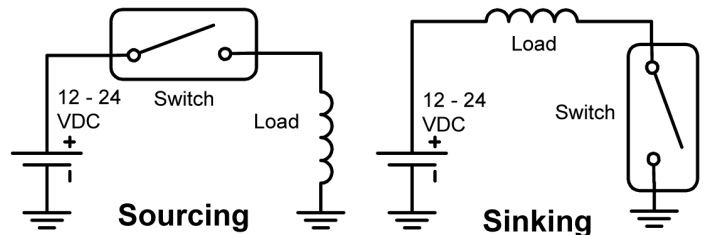


Definitions and Specifications

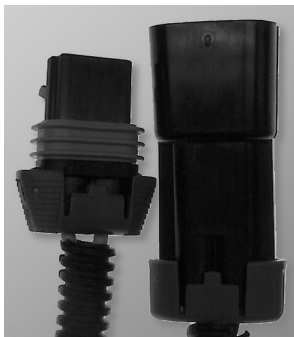
Set Point & Accuracy	Rising temperature at which switch actuates in degrees Fahrenheit. Tolerance $\pm 1.5^\circ\text{F}$ typical.
Mode	NO (Normally Open): Switch does not conduct at room temperature. Conducts at set point upon temperature rise. NC (Normally Closed): Switch conducts at room temperature and stops conducting at set point upon temperature rise.
Reset Differential	Number of degrees below set point that switch resets to normal state upon falling temperature. Typically 5-10° F for fan control switches. Call for information about other applications.
Temperature Exposure Range	-40 to 260° F (-40 to 125° C)
Electrical Environment	12 to 24 volts DC. Current rating to 5 amps typical. Higher current ratings available.

Sourcing vs. Sinking Circuit

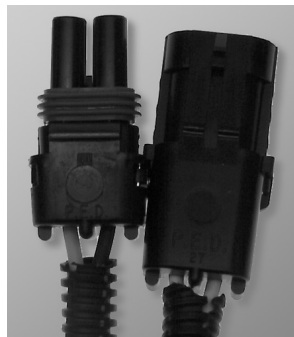
Refers to position of switch in electrical circuit with respect to power, load and ground. Sourcing switches are wired between power and the load. Sinking switches are wired between the load and ground.



Connector Key



Metripack™ Tower (L) and Shroud (R)



Weatherpack™ Tower (L) and Shroud (R)



Deutsch Plug (L) and Receptacle (R)

Weatherpack and Metripack are tradenames of Delphi Corporation.

Deutsch connectors are made by Deutsch Industrial products division.

Contact **INDEX** today for more information on products and services

toll free 800-726-1737 ■ local 360-629-5200
sales@indexsensors.com ■ www.indexsensors.com

Electronic Temperature Switches

With over 2,000 SKUs, many other parts are available – call or email for information.

Single- and Dual-Function Temperature Switches

Function 1		Function 2		Sourcing	Sinking	Connector	INDEX P/N	Description	OEM	OEM PN
Set Point	Mode	Set Point	Mode							
200	NC			◆		Metripack Shroud	8036023	TE 1fn Snk 200 NC H1 C3 Nav 1516893C91	International	1516893C91
200	NO			◆		Weatherpack Tower	8036205	TE 1fn Snk 200 NO H1 C6		
200	NO			◆		Weatherpack Shroud	80361206	TE 1fn Snk 200 NO H1 C7		
060	NC			◆		Metripack Tower	8036128	TE 1fn Src 060 NC H1 C4		
080	NC			◆		Metripack Shroud	8036043	TE 1fn Src 080 NC H1 C3		
150	NC			◆		Weatherpack Shroud	8036157	TE 1fn Src 150 NC H1 C6 Nav 1621011C91	International	1621011C91
150	NO			◆		Weatherpack Shroud	8036152	TE 1fn Src 150 NO H1 C7		
185	NC			◆		Metripack Shroud	8036200	TE 1fn Src 185 NC H1 C3		
185	NC			◆		Weatherpack Shroud	8036052	TE 1fn Src 185 NC H1 C7 Nav 1621007C92	International	1621007C92
200	CO			◆		Screw Terminals	8036178	TE 1fn Src 200 CO H0 Cx		
200	NC			◆		Weatherpack Shroud	8036061	TE 1fn Src 200 NC H1 C7		
205	NC			◆		Metripack Shroud	8036167	TE 1fn Src 205 NC H1 C3 Volvo 3942759	Volvo	3942759
205	NC			◆		Weatherpack Shroud	8036056	TE 1fn Src 205 NC H1 C7		
205	NO			◆		Weatherpack Shroud	8036058	TE 1fn Src 205 NO H1 C7 Nav 2016585C91	International	2016585C91
160	NO	200	NO	◆		Metripack Tower	8036201	TE 2fn Snk 160 NO 200 NO H1 C4		
172	NC	187	NC	◆		Metripack Tower	8036217	TE 2fn Snk 172 NC 187 NC H1 C4		
172	NC	187	NO	◆		Metripack Tower	8036216	TE 2fn Snk 172 NC 187 NO H1 C4		
195	NC	210	NC	◆		Metripack Tower	8036158	TE 2fn Snk 195 NC 210 NC H1 C4		
200	NO	215	NO	◆		Weatherpack Shroud	8036198	TE 2fn Snk 200 NO 215 NO H1 C7		
215	NO	220	NC	◆		None – bare wire	8036213	TE 2fn Snk 215 NO 220 NC H1 Cw		
185	NC	195	NC	◆		Weatherpack (2) Shroud	8036143	TE 2fn Src 185 NC 195 NC Nav 1621005C91	International	1621005C91
185	NC	195	NC	◆		None/Other	8036142	TE 2fn Src 185 NC 195 NC Nav 1985130C91	International	1985130C91

Cooling Fan Timer Temperature Control Switches

Controls engine fan when needed to cool the engine or reduce air conditioning system pressure. Contains a fan control temperature switch plus a time circuit that takes input from an Index A/C fan trigger switch. When needed by the A/C system, the fan stays on for 3 minutes to greatly reduce system pressure and prevent rapid fan cycling.

Function 1		Function 2		Sourcing	Sinking	Connector	INDEX P/N	Description	OEM	OEM PN
Set Point	Mode	Set Point	Mode							
180	NC			◆		Weatherpack Shroud	8036076	TE fan timer 180 NC H1 C7 Nav 1688070C91	International	1688070C91
195	NC			◆		Deutsch Receptacle	8036165	TE fan timer 195 NC H1 C9 Volvo 3940177	Volvo	3940177
195	NO			◆		Deutsch Plug	8036100	TE fan timer 195 NO H1 C8		
200	NC			◆		Deutsch Receptacle	8036083	TE fan timer 200 NC Ford F3HT-10B843-SA	Ford	F3HT-10B843-SA
200	NC			◆		Weatherpack Shroud	8036078	TE fan timer 200 NC H1 C7		
200	NC			◆		Weatherpack Shroud	8036077	TE fan timer 200 NC H1 C7 Nav 2011857C91	International	2011857C91
200	NO			◆		Weatherpack Tower	8036070	TE fan timer 200 NO H1 C6		
200	NO			◆		Weatherpack Tower	8036071	TE fan timer 200 NO H1 C6 Nav 2027243C1	International	2027243C1
200	NO			◆		Deutsch Plug	8036101	TE fan timer 200 NO H1 C8		
205	NC			◆		Weatherpack Shroud	8036080	TE fan timer 205 NC H1 C7		
205	NC			◆		Weatherpack Shroud	8036081	TE fan timer 205 NC H1 C7 Mack 1MR6546M	Mack	1MR6546M
205	NC			◆		Weatherpack Shroud	8036079	TE fan timer 205 NC H1 C7 Nav 1622647C91	International	1622647C91
205	NC			◆		Deutsch Receptacle	8036087	TE fan timer 205 NC H1 C9		
205	NC			◆		Deutsch Receptacle	8036169	TE fan timer 205 NC H1 C9 Volvo 3942809	Volvo	3942809
205	NC			◆		Deutsch Receptacle	8036168	TE fan timer 205 NC H1 C9 Volvo 3942917	Volvo	3942917
205	NO			◆		Weatherpack Tower	8036073	TE fan timer 205 NO H1 C6		
205	NO			◆		Deutsch Plug	8036103	TE fan timer 205 NO H1 C8		
205	NO			◆		Deutsch Plug	8036094	TE fan timer 205 NO H1 C8 air sw trigger		
209	NO			◆		Deutsch Plug	8036105	TE fan timer 208.5 NO H1 C8		

All temperatures in degrees fahrenheit. Switches listed have 1/2" NPT thread fittings.

Contact **INDEX** today for more information on products and services

toll free **800-726-1737** ■ local **360-629-5200**
sales@indexsensors.com ■ www.indexsensors.com