

Electronic Temperature Switches



- ◆ 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.
- ◆ Call Index to custom-specify temperatures, thread sizes and connectors.

Single and Dual Function Temperature Switches

Function 1 Set		Function 2 Set		Sourcing*	Sinking*	Connector	Part Number	Description	Truck OEM	OEM P/N
Point	Mode	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	8036206	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 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

Air-Sensing Temperature Switches with Special Fast-response Tip

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		

All temperatures in degrees Fahrenheit.
Switches listed have 1/2" NPT thread fittings
* See definitions and connector key on back page

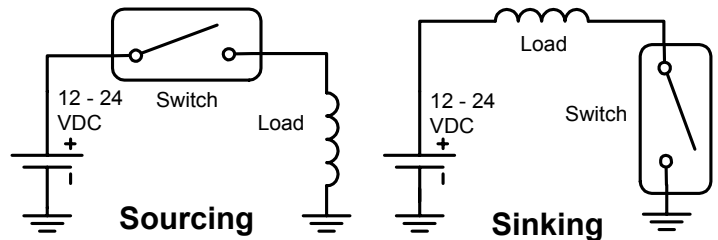
Cooling Fan Timer Temperature Control Switches

Controls engine fan when needed to cool the engine or reduce air conditioning system pressure. Contains a fan control temperature switch plus a timer 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.

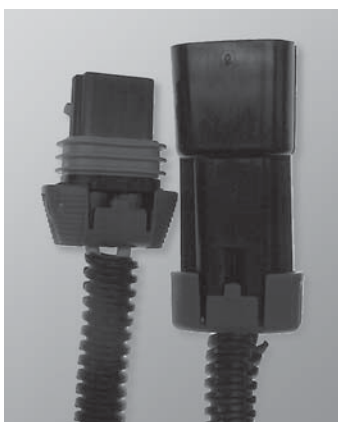
Set Point	Mode	Sourcing	Connector	Part Number	Description	Truck OEM	OEM P/N
180	NC	u	Weatherpack Shroud	8036076	TE fan timer 180 NC H1 C7 Nav 1688070C91	International	1688070C91
195	NC	u	Deutsch Receptacle	8036165	TE fan timer 195 NC H1 C9 Volvo 3940177	Volvo	3940177
195	NO	u	Deutsch Plug	8036100	TE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

Definitions and Specifications

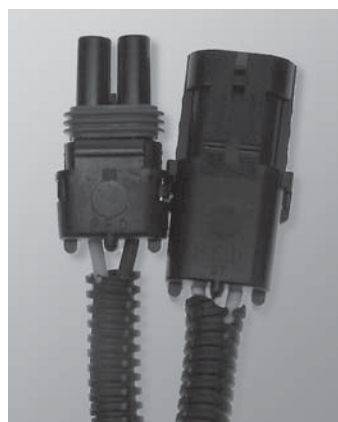
- ◆ **Set Point & Accuracy:** Rising temperature at which switch actuates in degrees Fahrenheit. Tolerance: $\pm 1.5^{\circ}\text{F}$ typical.
- ◆ **Mode:** NO: Normally Open. Switch does not conduct at room temperature. Conducts at set point upon temperature rise.
NC: Normally Closed. Switch conducts 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 $^{\circ}\text{F}$ for fan control switches. Call for information about other applications.
- ◆ **Sourcing versus 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.
- ◆ **Temperature Exposure Range:** -40 to 260 $^{\circ}\text{F}$ (-40 to 125 $^{\circ}\text{C}$)
- ◆ **Electrical Environment:** 12 to 24 volts DC. Current rating: to 5 amps typical. Higher current ratings available.



Connector Key



Weatherpack™ Tower (L) & Shroud (R)



Metripack™ Tower (L) & Shroud (R)



Deutsch Plug (L) & Receptacle (R)

Weatherpack and Metripack are tradenames of Delphi Corporation.

Deutsch connectors are made by Deutsch Corporation.

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