

## Contents

- Engine Shutdowns
- Turbo Temp Monitors
- Low Water Alarms
- Electronic Speed & Exhaust Temperature Switches
- Pressure & Temperature Switches
- Hourmeters
- Heavy Duty Voltmeters & Ammeters
- Gauge Mounting Accessories
- Lighting, Relays, Buzzers & Alarms
- Adapter Bushing Kit
- Water Level Probes & Warning Lights
- Voltage Reducers
- Tubing Kits & Adapter Nuts
- Black Ice Indicator Gauge



## Specialty Products & Accessories



95-6010 Engine shutdown/protection kit



95-6030 Turbo temp monitor



95-6040 Low water alarm kit



95-6042 Low water alarm module



95-6070 Pressure switch 1 stud



95-6072 Pressure switch 2 1/4" blades



95-6077 Pressure switch 2 1/4" blades



95-6076 Pressure switch 2 1/4" blades

## Engine Shutdowns

PART NUMBER	DESCRIPTION
95-6010	Engine Shutdown/Protection Kit for use in mobile applications (trucking, automotive) Solid state engine protection module with 20A(NO) or 10A(NC) contacts to handle heavy switch loads. The kit includes a 12 VDC NG 95-6013 shutdown module (15 second delay for engine starting and 30 second delay before shutdown after alarm), low coolant probe, low oil pressure switch (7-9 PSI), high engine temperature switch (225°F), warning light and buzzer.
95-6011	Engine Shutdown/Protection Kit for stationary engines Same as 95-6010 except for use in 24 VDC NG systems.
95-6012	Engine Shutdown/Protection Kit for stationary engines The kit includes a 12 VDC NG 95-3506 shutdown module (30 second delay to allow engine starting, then immediate shutdown with alarm), low coolant probe, low oil pressure switch (7-9 PSI), high engine temperature switch (225°F), warning light and buzzer. Specifications are the same as 95-6010 shutdown kit but for use in stationary engine applications (immediate shutdown after alarm).
95-6018	Engine Shutdown/Protection Box for stationary engines Same as 95-6012 except for use in 24 VDC NG system.
95-6013	Engine Shutdown/Protection Control Module Control module only for 95-6010 kit. Switches (ground on alarm) and other devices can be added for your specific application. Low water warning uses an AC voltage to eliminate potential plating problems which a DC voltage could cause. Enclosure is anodized metal box with reliable terminal block connections. 12 VDC NG.
95-6014	Engine Shutdown/Protection Control Module Same as 95-6013 except for use in 24 VDC NG systems.
95-6015	Engine Shutdown/Protection Control Module for use in stationary engine applications (generator, pump). Solid state engine protection module with 20A(NO) or 10A(NC) contacts to handle heavy switch loads.
95-6016	Engine Shutdown/Protection Control Module Same as 95-6015 except for use in 24 VDC NG systems.

## Turbo Temp Monitors

PART NUMBER	DESCRIPTION
95-6030	This monitor can help eliminate early turbocharger failure in diesel applications. When engine ignition is turned off, the 95-6030 causes the engine to idle until a safe exhaust temperature is reached, then automatically shuts it down. By shutting down in a cooled condition, deposits are reduced and turbo life is increased. Standard shutdown is 300°F. The existing pyrometer system can be used or order lead wire 95-5165-8 and a type K thermocouple 12 VDC NG.
95-6031	Same as 95-6030 except for use in 24 VDC NG systems.

## Low Water Alarms

PART NUMBER	DESCRIPTION
95-6040	Low Water Alarm Kit Solid state low water alarm uses AC to detect low coolant conditions, thus eliminating potential plating problems. High current relay 20A (NO), 10A (NC) relay will handle most shutdown or alarm circuits. 12 VDC NG version includes probe, warning light and buzzer. Plastic radiators require two probes
95-6041	Low Water Alarm Kit Same as 95-6040 except for use in 24 VDC NG systems.
95-6042	Low Water Alarm Module Control module only for 95-6040 kit. A very commonly used trouble free coolant alarm. 12 VDC NG. Plastic radiators require two probes.
95-6043	Low Water Alarm Module Same as 95-6042 except for use in 24 VDC NG systems.

## Electronic Switches

PART NUMBER	DESCRIPTION
95-6050	Single Level Speed Switch Speed switch will trip at preset rpm to control engine function or other control circuitry. Relay outputs can switch external circuit on or off at trip point. 12 VDC NG. Specify when ordering: sensor or ignition input, latched or auto-reset relay, desired switch point.
95-6051	Single Level Speed Switch - Adjustable Single level speed switch is field adjustable and designed to be used as an over rev alarm or road speed alarm. When setting is exceeded, an audio and visual warning device or shutdown is activated. Accepts signals from Tectran magnetic pickup or signal generator. Set point is adjustable from 100 to 5,000 hertz. 12 VDC NG. Unlatched (auto-reset) design only. When the set point is exceeded the relay will remain tripped until the signal falls below the set point when it will reset. Not compatible with ignition inputs. Use 95-6051, factory preset to your specs, for latched applications.
95-6052	Single Level Speed Switch - Adjustable Same as 95-6051 except for use in 24 VDC NG systems.
95-6053	Dual Level Speed Switch Same as 95-6050 except with dual switch point, one upper and one lower. Specify two set points when ordering, as well as 12 or 24 VDC NG, sensor or ignition input, latched or auto-reset relay.
95-6054	Dual Level Speed Switch Same as 95-6053 except for use in 24 VDC NG systems.
95-6055	Two Level Temperature Switch Designed to give a two step warning when predetermined exhaust temperatures are reached. When step one is reached, a warning light will come on, when step two is reached, additional warnings or controls will activate. 12 VDC NG. Alarm points must be specified for factory setting.
95-6056	Two Level Temperature Switch Same as 95-6055 except for use in 24 VDC NG systems.



95-6050 Single level speed switch



95-6055 Two level temperature switch



95-6079 Pressure switch  
3 1/4" blades



95-6081 Pressure switch  
1 stud



95-6090 Temperature switch  
1 stud



95-6091 Temperature switch  
1 stud



95-6094 Temperature switch  
2 blades



95-6099 Temperature switch  
1 stud

## Pressure & Temperature Switches

Rugged and reliable for indicator light, relays, hourmeters, etc. Switches can be supplied for custom applications. Contact factory for details. All pressure switches have a six amp capacity except 95-6070 and 95-6071 which have a three amp capacity. All temperature switches have a one amp capacity.

### PRESSURE SWITCHES-ALL HAVE 1/8" NPTF THREAD

PART NUMBER	SETTING	TYPE	TERMINALS	PART NUMBER	SETTING	TYPE	TERMINALS
95-6070	15 psi	N/C	1 stud	95-6075	15 psi	N/C, HD	2 1/4" blades
95-6071	6 psi	N/C	1 stud	95-6077	60 psi	N/O, HD	2 1/4" blades
95-6072	4 psi	N/O, HD	2 1/4" blades	95-6078	60 psi	N/C, HD	2 1/4" blades
95-6073	4 psi	N/C, HD	2 1/4" blades	95-6079	4 psi	N/C & O, HD	3 1/4" blades
95-6074	15 psi	N/O, HD	2 1/4" blades	95-6080	4 psi	N/O	1 stud
95-6076	8 psi	N/C, HD	2 1/4" blades	95-6081	8 psi	N/C	1 stud

### TEMPERATURE SWITCHES-NORMALLY OPEN

PART NUMBER	SETTING	TYPE	TERMINALS	PART NUMBER	SETTING	TYPE	TERMINALS
95-6090	250°F	1/4" NPTF	1 stud	95-6096	200°F	3/8" NPTF	1 stud
95-6091	255°F	1/4" NPTF	1 stud	95-6097	200°F	1/2" NPTF	1 stud
95-6092	212°F	1/2" NPTF	1 stud	95-6098	225°F	1/2" NPTF	1 stud
95-6093	200°F	1/4" NPTF	1 stud	95-6099	250°F	1/2" NPTF	1 stud
95-6094	200°F	1/4" NPTF	2 blades				

Specialty Products & Accessories



95-6302 Hourmeter stainless bezel



95-6305 Hourmeter black bezel



95-6308 Hourmeter digital display



95-6306 Hourmeter rectangular mini-meter, black finish



95-6320 Heavy duty voltmeter 7-18 VDC scale, black bezel



95-6150 Mounting bracket black finish



95-6173 Swivel mounting bracket for 3" gauges

## Hourmeters

Tectran's standard range is 10/80 VDC. 4-40 VDC meters are available by special order.

- The 95-6308 digital hourmeter is designed with solid state memory which retains its reading when voltage is removed.
- Standard 2 1/16" mounting diameter except 95-6306 and 95-6307, which are rectangular.
- Made in the USA.

PART NUMBER	VOLTS	BEZEL	STYLE
95-6300	4-40 VDC	Black	snap on clamp
95-6301	10-80 VDC	Black	snap on clamp
95-6302	4-40 VDC	Stainless	snap on clamp
95-6303	10-80 VDC	Stainless	snap on clamp
95-6304	4-40 VDC	Black	SAE 3 hole
95-6305	10-80 VDC	Black	SAE 3 hole
95-6306	4-40 VDC	Black	rectangular mini-meter
95-6307	10-80 VDC	Black	rectangular mini-meter
95-6308	9-30 VDC	Black	digital display with clamp

## 2 1/16" Heavy Duty Full Sweep Voltmeters & Ammeters

These meters are used in applications where precision readings are required. Bezels and face dials do not match our regular gauges.

- 2 1/16" mounting diameter is standard
- Red-orange pointer, 250° sweep and black bezel is standard

PART NUMBER	TYPE
95-6320	Voltmeter, 7-18 VDC scale
95-6321	Ammeter/shunt 100-0-100 scale
95-6323	Ammeter/shunt 150-0-150 scale
95-6324	Ammeter/shunt 200-0-200 scale
95-6325	Ammeter/shunt 300-0-300 scale

## Gauge Mounting Accessories

MOUNTING BRACKETS			
BLACK BEZEL	CHROME BEZEL	NUMBER OF GAUGES	GAUGE DIAMETER
95-6150	N/A	1	3"
95-6151	95-6156	1	2 1/16"
95-6152	95-6157	2	2 1/16"
95-6153	95-6158	3	2 1/16"
95-6154	95-6159	4	2 1/16"
95-6155	95-6160	1	3 3/8"

MISCELLANEOUS CUPS & BRACKETS				
BLACK BEZEL	CHROME BEZEL	SIZE	FINISH	DESCRIPTION
95-6161	95-6162	3 3/8"	Black/Chrome	Tachs and speedometers
95-6163	95-6164	2 1/16"	Black/Chrome	All 2 1/16" gauges
95-6166	95-6167	3"	Black/Chrome	Pyrometer only
95-6170	N/A	5"	Black	All 5" gauges
N/A	95-6173	3"	Zinc Plated	Swivel mounting bracket

## Gauge Lighting

MISCELLANEOUS CUPS & BRACKETS				
PART NUMBER	TYPE OF ASSEMBLY	WIRES	BULB NUMBER	MOUNTING DIAMETER
95-6200	Gauge light	2 wires	12V - #53 24V - #356	5/8" short depth
95-6201	Gauge light	1 wire ground to gauge	12V - #53 24V - #356 32V - #1822 36V - #1828	9/16" & 5/8" universal most gauges
95-6202	Gauge light	2 wires	12V - #161 24V - #656	9/16" & 5/8" universal, most gauges
95-6203	Wedge base light - twist in	N/A	12V - #161 24V - #656	twist in assembly
95-6204	Gauge light	1 wire	14V - #1893	9/16" & 5/8"



95-6200 Gauge light  
2 wires



95-6203 Gauge light  
wedge base light

## Relays, Buzzers & Alarms

PART NUMBER	TYPE	VOLTS	MISCELLANEOUS
95-6215	Relay	12	20 amp with connector
95-6216	Buzzer	12	
95-6217	Buzzer	12 or 24	steady tone
95-6218	Buzzer	12 or 24	pulse tone
95-6220	Alarm	12 or 24	103 DBA
95-6221	Buzzer & Light	12	



95-6215 Relay  
12 VDC NG



95-6218 Buzzer  
pulse tone

## Adapter Bushing Kit

For electric pressure senders and some temperature senders.

PART NUMBER	DESCRIPTION
95-6290	Metric adapter fitting Includes M10 x 1.0, M12 x 1.5, M14 x 1.5, M16 x 1.5 and M18 x 1.5 to 1/8" NPTF adapters.



95-6290 Metric adapter kit

## Water Level Probes

PART NUMBER	TYPE
95-6230	Sensor, 2.36" extension beyond threads
95-6231	Sensor, 1.36" extension beyond threads



95-6230, 95-6231  
Water Level Probes

## Warning Lights

PART NUMBER	COLOR/MARKING
95-6240	Red - no marking
95-6241	Red - marked LOW WTR



95-6240 Warning light red,  
no marking



95-6250 Voltage Reducer



95-6261 Tubing Kit  
Oil pressure, 10 feet



95-6264 Tubing kit  
Vacuum, 6 feet



95-6270 Adapter nut  
1/2" NPTF



95-6285 Black ice indicator gauge  
2 1/16", black pedestal mounting  
(removable)

## Voltage Reducers/Gauge Voltage Dropping Resistors

Voltage reducers are not designed for light bulb applications.

PART NUMBER	USE
95-6251	For 32 - 12 VDC NG gauges. Use one for each gauge.
95-6250	For 24 - 12 VDC NG gauges. Use one for each gauge.

## Tubing Kits

PART NUMBER	TYPE	LENGTH
95-6260	Oil Pressure, Manifold Pressure, Boost	6 feet
95-6261	Oil Pressure	10 feet
95-6264	Manifold Vacuum	6 feet
95-6265	Oil Pressure	16 feet

Custom length kits are also available.

## Adapter Nuts

For mechanical temperature gauges. Adapts capillary tube to male thread size shown.

PART NUMBER	LENGTH
95-6270	1/2" NPTF
95-6271	3/8" NPTF
95-6272	1/4" NPTF
95-6273	5/8"-18 UNF

## Black Ice Indicator

Indicates ice-forming temperatures exist outside the vehicle. Red LED indicates temperatures at or below freezing, warning of potentially dangerous road conditions. Standard with pedestal mounting. Pedestal mounting removable for mounting into typical 2 1/16" dash mounting hole. Includes internal lighting, sensor for mounting outside vehicle and all necessary mounting hardware. For use in 12 VDC NG systems. Operating range: -20°F to 100°F.

PART NUMBER	SPECS
95-6285	Black ice indicator
95-6286	Replacement lamp for 95-6285
95-6287	Replacement sensor for 95-6285