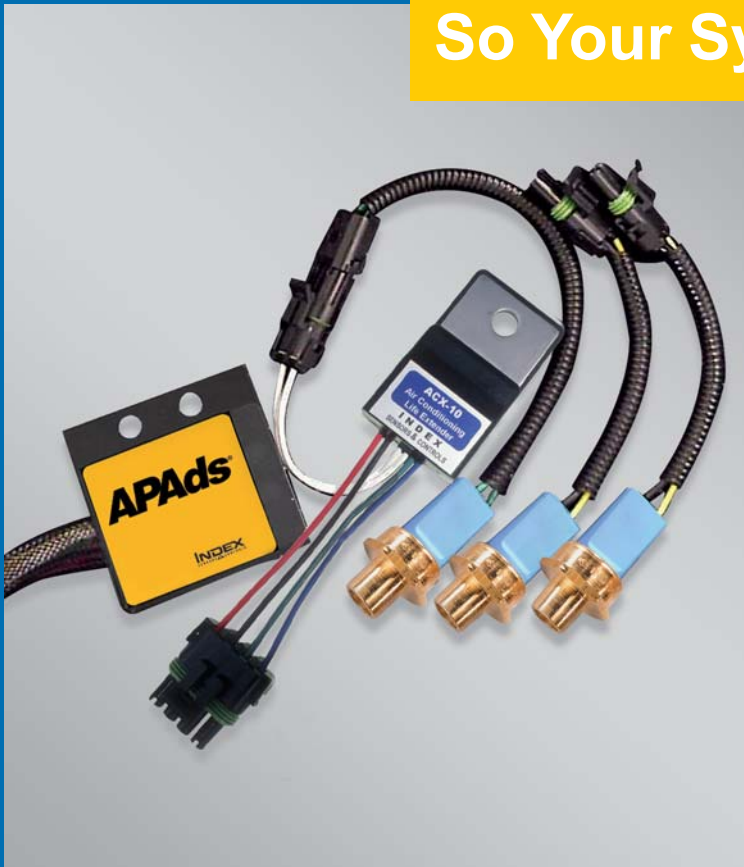


Long-Life Air Conditioning Parts

Let Index Take the Pressure
So Your System Doesn't Have To



System
Control and
Protection
Modules

Low Cutout, High
Cutout and Fan
Trigger Pressure
Switches

Rugged, long-life
performance

Prevents expensive,
unscheduled
maintenance

Proven performance
on millions of heavy
vehicles



INDEX
SENSORS & CONTROLS

ACX-10

Air Conditioning Life Extender

ACX-10 Maintains Your Cool

- ◆ Prevents rapid cycling under improper pressure conditions.
- ◆ Extends life of clutch, compressor and hoses.
- ◆ Prevents premature damage to clutch coil and plates.
- ◆ Reduces stress on starter motor and batteries.
- ◆ Installs quickly and easily with a few simple connections.
- ◆ Provides rapid payback in maintenance cost savings.



Detection and Protection System

The ACX-10 detects rapid cycling before you even notice that your air conditioning isn't working properly. As your A/C system charge levels drop, clutch cycles increase. The ACX-10 limits A/C clutch cycles to four engagements per minute, reducing system wear and tear.

Pressure Protection

Low system pressure can lead to rapid cycling. The ACX-10 limits system cycles to four engagements per minute eliminating heat build up.

Voltage Protection

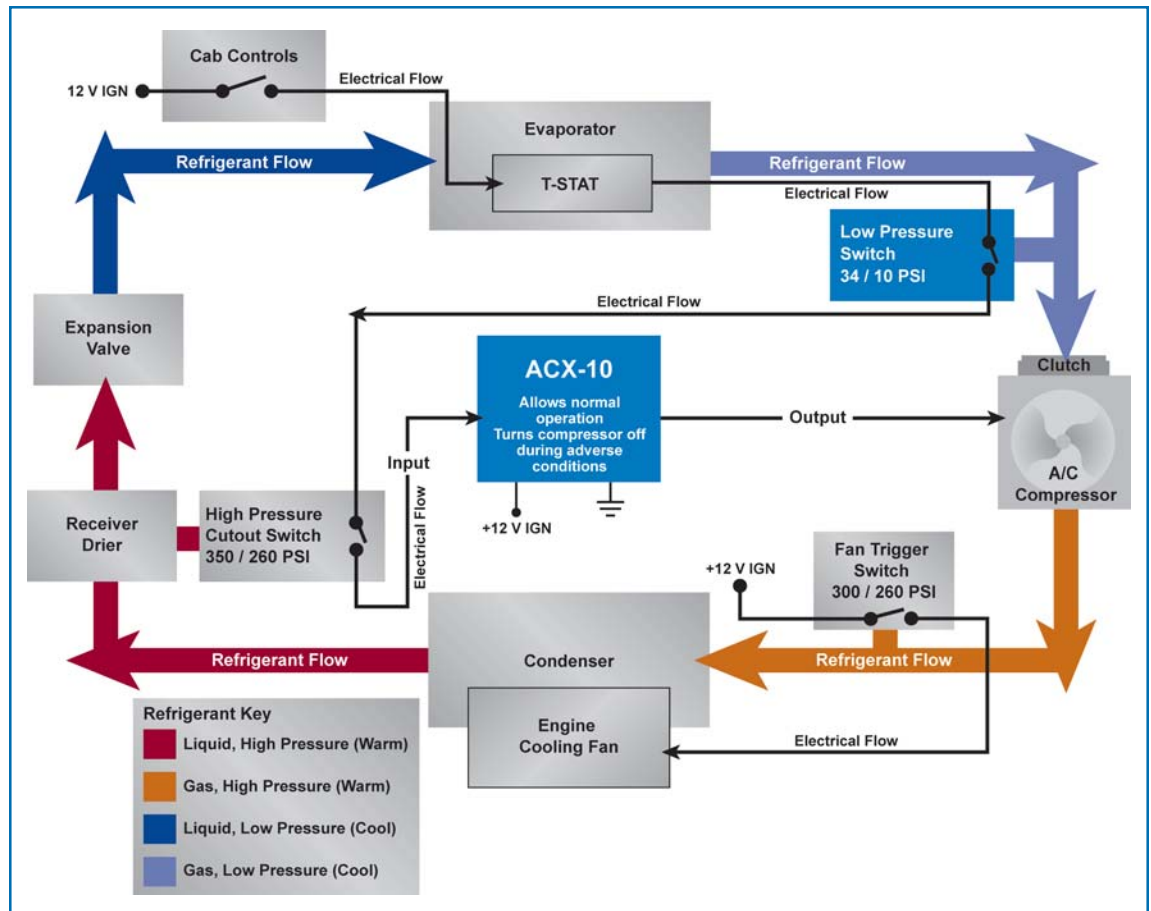
Over-voltage causes excessive current and heat in the clutch coil, which shortens its life. Worse yet, under-voltage can cause the clutch to slip and burn out. The ACX-10 detects poor voltage conditions, and disengages the A/C clutch until the voltage returns to the normal, safe operating range.

Bonus: Starter Motor Protection

If the A/C is on during the vehicle's ignition cycle, the starter motor has to crank the compressor as well as the engine. The ACX-10 unburdens the starter motor and extends its life by delaying the A/C clutch engagement until 15 seconds after ignition.



Reduce Your Maintenance Costs and Downtime with the ACX-10: Easy to Install, Economical Smart Protection.



APAds™

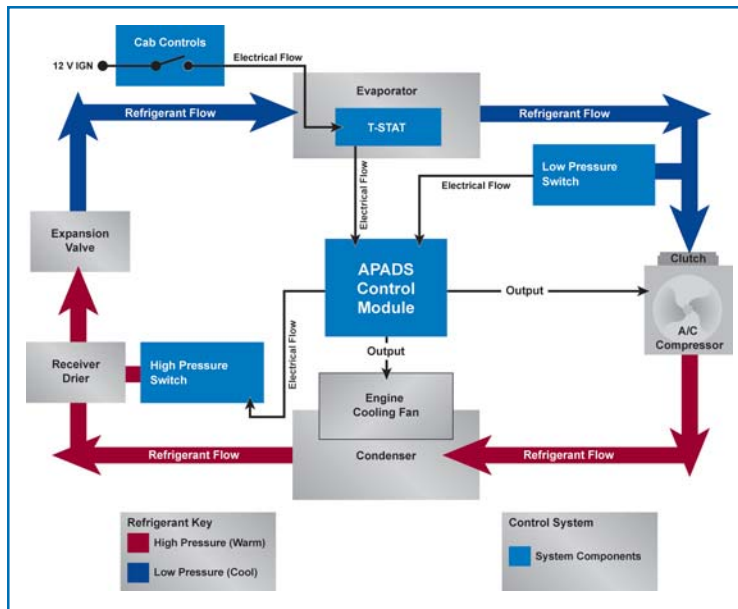
Air Conditioning Protection and Diagnostics System

The APAds™ system offers full air conditioning control, protection and diagnostics. Its microprocessor-based intelligence offers all the protection of the ACX-10, plus year-round compressor lubrication and cooling fan coordination to prevent fan cycling at idle. APAds™ also aids in preventive maintenance and troubleshooting with its easy-to-read diagnostic fault codes. Specifying the APAds™ system on your new vehicle will save you hundreds or even thousands of dollars in A/C maintenance, repair and downtime over your years of ownership.



APAds™ Features

- ◆ Prevents clutch damage from rapid cycling.
- ◆ Prevents clutch slippage from low voltage or over voltage.
- ◆ Improves A/C efficiency at idle.
- ◆ Eases troubleshooting with easy-to-interpret fault codes.
- ◆ Enhances preventive maintenance.
- ◆ Reduces expensive, unscheduled repairs.
- ◆ Detects A/C problems even when A/C is off.



Smart
Microprocessor-
Based Technology
that Prevents A/C
Meltdowns



Heavy Duty Pressure Switches

Reduce switch replacement costs with Index A/C Pressure Switches. They are specifically designed for long life under the vibration and high-duty cycle requirements of heavy trucks and off-road vehicles. They stand up to high-cycling A/C applications, lasting up to 1 million cycles or more.

Our rugged switches are designed for long life on heavy-duty vehicles and are proven on millions of heavy trucks and off-road vehicles.

Index Offers a Complete Selection of Reliable Air Conditioning Pressure Switches

- ◆ Low pressure cut-out switches
- ◆ High pressure cut-out switches
- ◆ Fan trigger switches

See our pressure switch catalog pages for the complete listing of configurations and OEM part number cross references.



Ordering Information

ACX-10

ACX-10 Kit Part Number	Low Pressure Switch Information	Module P/N (Service Parts)	Pressure Switch P/N (Service Parts)
For Initial Installation			
8041188	For use on vehicles with existing low pressure switch (no pressure switch in kit)	8042155	N/A
8041190	34 psi normally open. Closes at 34 psi, reopens at 10 psi. M12 female Schrader fitting for R134a refrigerant systems.	8042151	8040321

APAds™

OEM	New Truck Spec Option Code #	Notes	Module P/N (Service Parts)	Low Pressure Switch P/N (Service Parts)	High Pressure Switch P/N (Service Parts)
Mack	1739008		8042121	8040189	8040135
International	016-WJC016—WJH	For On/Off Fan Drives For Viscous Fan Drives	8042103 8042124	8040189 8040189	8040135 8040172
Kenworth	81040125		8042103	8040189	8040135
Peterbilt		Call Index for information			
Freightliner	702-009		8042103	8040189	8040135
Volvo	—		8042152	8040189	8040135

About Index Sensors & Controls

Index Sensors & Controls is a leading manufacturer of switches, sensors and controls for the industrial vehicle, engine and equipment markets. The company specializes in temperature, pressure and humidity applications. Its electronic modules integrate several inputs to boost the control logic or “intelligence” of customers’ equipment, improving efficiency and performance.

Index products are found on all makes of Class 8 trucks and are widely used by manufacturers of agricultural, construction and engine-related equipment.



The Index Family of Products

Air Conditioning Controls: Including APAds and ACX-10; designed to monitor and protect vehicle air conditioning systems.

Electronic Temperature Switches: Offers exceptional flexibility and functionality, including multiple outputs, timed switching, blink signals and more. Provides highly accurate temperature monitoring, control, overtemp warning and shutdown for engines and industrial equipment.

Mechanical Temperature Switches: Economical, workhorse devices for temperature control and monitoring for engines, hydraulics, and similar applications in on- and off-road vehicles and stationary equipment.

Pressure Switches: Rugged, long-life switches for pressure control, indication and cutout. Application including air conditioning, transmission, air pressure, and oil pressure.

Equipment Controls and User Interface: Custom-designed embedded software controls, including user interface panels, for commercial and industrial equipment.

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