



# Air and Coolant Temperature Sensors (ACT/ECT)

## Technology

- 100% engineered & tested to OE specifications in fit, form and function
- Manufactured with the highest quality materials designed to hold up under any condition

## Marketing

- Competitively priced against all industry programs
- Full Service Kits® (FSK®) available – includes sensor plus vehicle side mating pigtail

## Coverage

- North American application coverage from 1979 to 2020
- 175 SKUs available and EXPANDING
- Including Othermotive® coverage



WALKER PRODUCTS, INC. • 525 WEST CONGRESS STREET • PACIFIC, MO 63069

U.S. Corporate Office: 636-257-2400 • Fax: 636-257-6211

Customer Service: 636-257-1700 • Technical Support: 844-252-0114

U.K. Sales Office and Distribution Center: +44 (0) 121-459-8006 • [saleseurope@walkerproducts.com](mailto:saleseurope@walkerproducts.com)

Oficinas para Mexico: +52-72-2402-2167 • Soporte tecnico y servicio al cliente en Mexico: +52-72-2207-8957

[www.walkerproducts.com](http://www.walkerproducts.com)

## QUALITY • COVERAGE • SUPPORT



## WHAT IS AN AIR & COOLANT TEMPERATURE SENSOR?

**Air charge temperature (ACT)** sensor is used by the PCM to determine the temperature and density of air entering the engine. The PCM then uses this information to determine fuel injector control and other outputs.

**Coolant temperature (ECT)** sensor is used by the PCM to monitor the engine's coolant temperature. The PCM determines the changes required to the engine's timing and fuel calculations for peak performance.

## WHERE IS THE AIR & COOLANT TEMPERATURE SENSORS LOCATED?

The **ACT** sensor is found in the air intake boot, in the air cleaner housing or intake manifold.

The **ECT** sensor is most often located close to the thermostat of the cooling system or inside of it. The cooling system is located beneath the air intake pipe and behind the right cylinder.

## WHY DO AIR & COOLANT TEMPERATURE SENSORS FAIL?

Temperature sensors fail due to simple wear and tear. The sensor connector and wiring harness can lose connectivity over time. Exposure to excessive moisture can erode the sensor internally, causing erratic readings. Also, accumulation of oil and carbon can cause failure on the ACT sensors.

## HOW DO YOU KNOW YOUR TEMPERATURE SENSOR IS FAULTY OR FAILING?

- Check Engine Light illumination
- Poor fuel economy & reduces engine power
- Rough idle, surging & stalling
- Black smoke from engine or exhaust
- Overheating engine

## WHY ARE WALKER TEMPERATURE SENSORS BETTER?

Walker Products sensors are engineered using high quality components and materials to ensure proper fit and response. Our Temperature Sensors are 100% tested for peak performance and worry-free operation. Growing coverage for an ever expanding market.