


RELIABLE COMPONENTS, YEAR-ROUND COMFORT


Are you ready to revolutionize your HVAC system? Bid farewell to fossil fuel dependency and welcome the cutting-edge heat pump technology for unparalleled comfort and energy efficiency. HVAC design engineers are dedicated to minimizing CO2 emissions, advancing motor technology, and embracing renewable energy sources.

Dive into our extensive portfolio of component solutions designed to elevate reliability, provide Ingress Protection rating sealed protection, and space-saving options. Engaging with TE Connectivity (TE) can help provide not only quality but also safety through our flame-retardant materials, ergonomic design, and insulated protection. Take the heat off your search and stay cool with TE's HVAC component solutions.

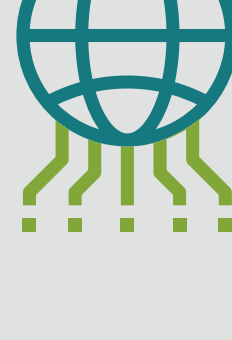
GLOBAL MARKET TRENDS



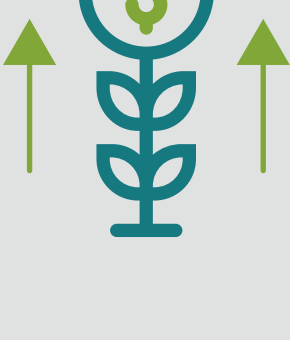
Growing demand for **energy-efficient** solutions and rising trend for smart homes



Environmental-friendly HVAC systems **cost-efficient** solutions for end users



IoT is changing the use of HVAC systems both in residential and commercial areas

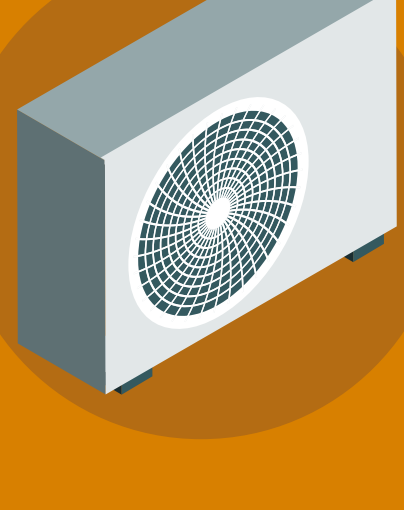


Smart HVAC growing due to demand in building automation

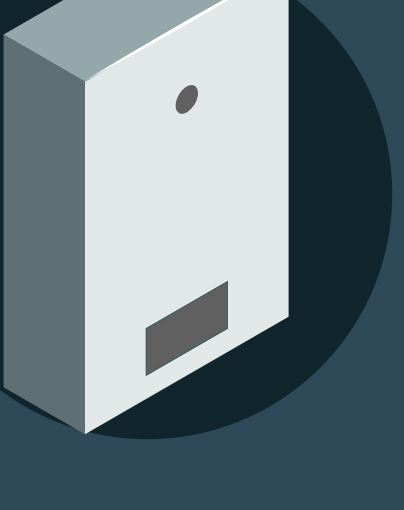
HOME HEATING

Heating your home when the chill sets in is crucial, and there are various options to keep you cozy.


HEAT PUMP









ELECTRIC FURNACE



GAS FURNACE





Energy Efficient

Environmentally Friendly

Cost Efficient Installation

Environmentally Friendly (Wind, Solar or Hydroelectric Power)

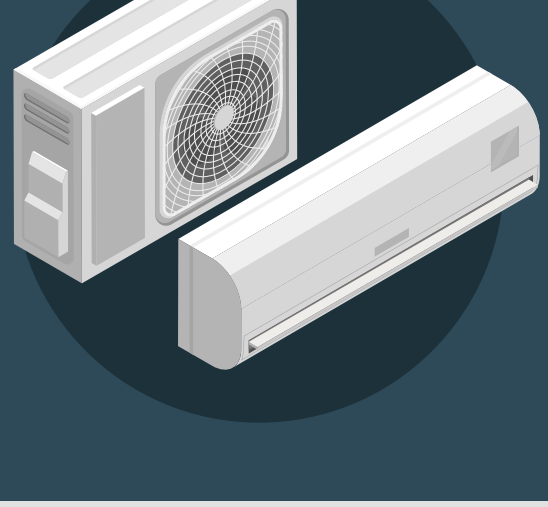
Fossil Fuels

Cold Climate Efficiency

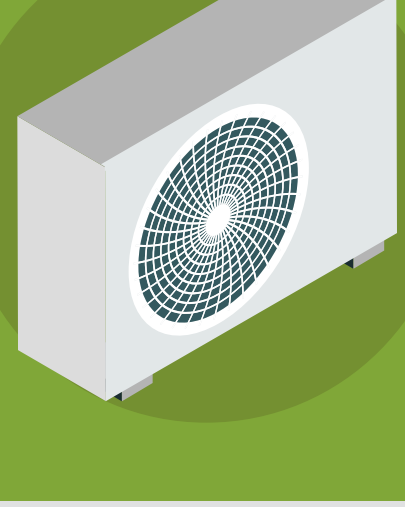
HOME COOLING

Stay cool with various tailored cooling solutions, from energy-efficient heat pumps to traditional air conditioning units.

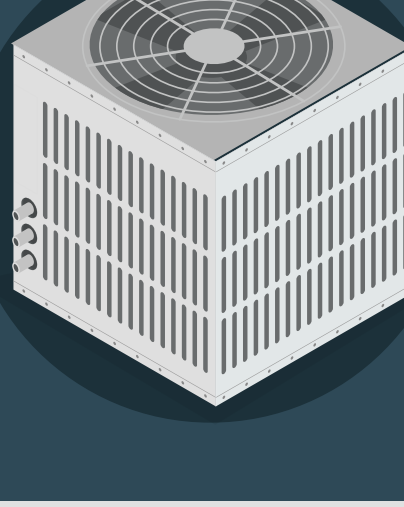
MINI-SPLIT UNIT









HEAT PUMP



AIR CONDITIONING UNIT





Energy Efficient

Cost Savings

Environmentally Friendly


Cost Savings

Higher Energy Bill


Noisy

BEAT THE HEAT WITH OUR POWERFUL HVAC SOLUTIONS


Embark on a journey of HVAC innovation by choosing TE Connectivity (TE) as your global partner, pioneering the future of technology with powerful component solutions.




1 SEALING
Ingress protection (IP) rating for water, dust, and debris in harsh environments




2 RELIABILITY
High power and operating temperatures, locking mechanisms, and vibration resistance



3 MINIATURIZATION
Compact centerline and smaller construction size



4 SIMPLIFICATION
Insulation displacement (IDC) technology, ease of installation, and simplified assemble processes



5 SAFETY
Flame retardant material, ergonomic design, and insulation protection



ANTENNAS



TERMINAL BLOCKS



LOW POWER SIGNAL CONNECTS



QUICK CONNECTS



MAGNET WIRE SOLUTIONS

HVAC COMPONENT SOLUTIONS





SENSORS



HEAT SHRINK TUBING



RAST CONNECTS



POWER CONNECTS



RELAYS



MID POWER SIGNAL CONNECTS

TRIPLE-TESTED

TO ADDRESS YOUR REQUIREMENTS

TE Connectivity (TE) products go through three advanced tests to address your strict HVAC design requirements.



ENVIRONMENTAL TEST



ELECTRICAL TEST



MECHANICAL TEST

PERFORMANCE NEED

To withstand thermal shock, condensation, and humidity, and reduce corrosion

To withstand the impact of high current and rising temperature

To withstand long-term, high-intensity operations in harsh environments


TESTS PERFORMED

- Temperature and humidity
- Thermal shock
- Temperature cycling
- Salt spray
- Mixed flowing gas
- Dust and water
- Glow wire testing (GWT), hot wire ignition (HWI), and needle flame
- Highly accelerated stress screen (HASS) and highly accelerated life test (HALT)

- Low-level contact resistance
- Dielectric withstanding voltage
- Current-carrying capacity
- Temperature rise vs. current
- Electromagnetic compatibility (EMC)

- Sinusoidal/random vibration with temperature and humidity
- Durability
- Normal force and low level contact resistance (LLCR) tester

TE Connectivity helps provide the power behind the system. Our connectivity solutions can help keep your HVAC equipment running efficiently. Connect with us today to get started.



Engineering solutions begin here, connect now!

CONTACT US



WEBPAGE



SOLUTION GUIDE



SAMPLES