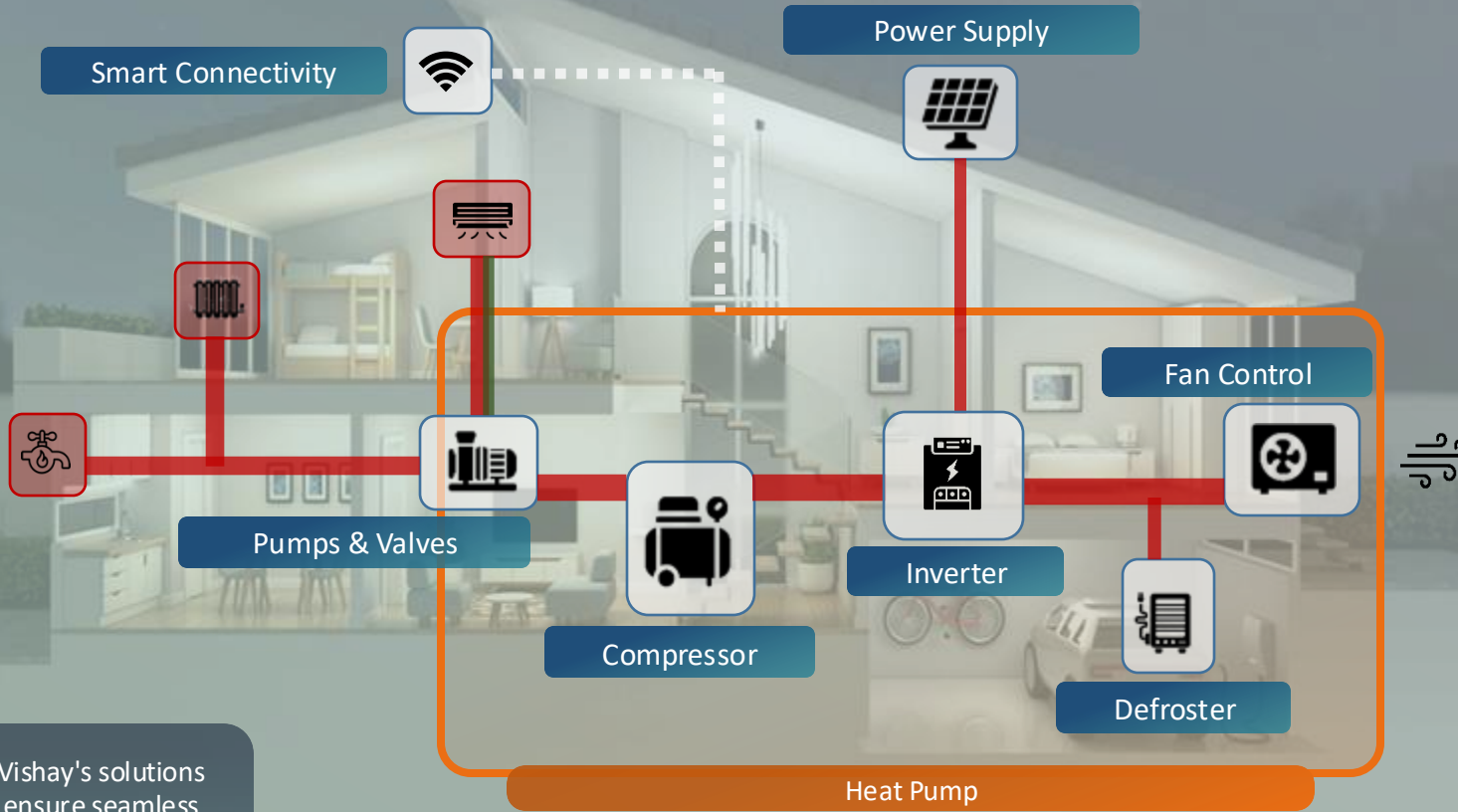


Heat Pumps - Powered by Opto TRIACs and Gate Drivers!



The DNA of tech.®

Vishay's opto isolators, including couplers, TRIACs, and gate drivers, are essential components driving the efficiency and reliability of today's advanced heating systems. From powering inverter motors to managing critical elements like pumps, valves, and compressors, our opto isolators provide precise control and energy efficiency.



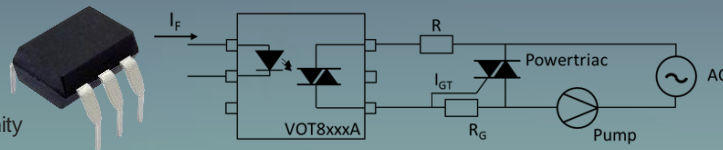
Vishay's solutions ensure seamless operation, reduced power consumption, and enhanced performance across a range of heat pump applications.

Pumps

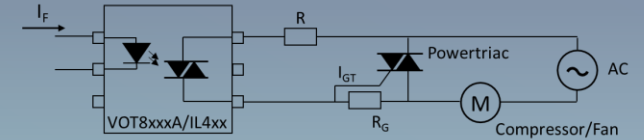


IL4xxx Series

- Power TRIAC driver
- Very high 10 kV/μs noise immunity
- 800 V (3 phase applications)



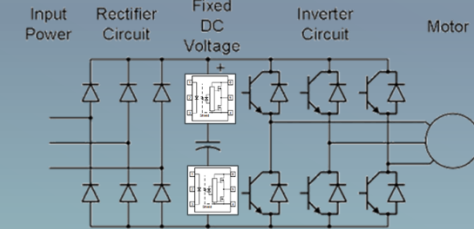
Compressor



VOT8xxxA Series

- Power TRIAC driver (AC on/off mode)
- 1 kV/μs medium noise immunity
- 800 V (3 phase applications)

Inverter



VOFD343A

- 4 A peak output current , +125 °C
- 200 ns propagation delay
- $V_{IORM} = 1.140 V_{pk}$
- 50 kV/μs (typ.) CMTI

[LEARN MORE](#)