



Technical Bulletin (TB-0029)

SE-E2 Electronic Module

June 2011

SE-E2 Motor Protection Module Released, INT69VSY-II Discontinued

Effective June 1st, 2011, BITZER U.S. has replaced the INT69VSY-II electronic motor protection module with the new SE-E2 module. The INT69VSY-II module has been the standard protection module for use with VFD or 575 Volt Compressor applications. The following chart references the part number changes:

Module Description	Obsolete Part Number	SE-E2 Part Number
INT69VSY-II (110V)	347009-02	347038-01
INT69VSY-II (230V)	347009-01	347038-01
INT69VSY-II (24 VAC)	347009-05	347038-01
INT69VSY-II (24 VDC)	347009-04	347038-01
INT69VSY-II Step Resistor	347015-01	347038-01

While the SE-E2 can be used with CS, and HS Series Screw Compressors and ESH and GSD Series Scroll Compressors, the standard extent of delivery of these models will remain the SE-E1.

The SE-E2 is the standard motor protection module for VSK Screw Compressors.

SE-E1 (110/230V)	347017-10
SE-E1 (24 VAC)	347017-04

SE-E2 Specifications

Dimensions and Function

- Dimensions and incorporation into the control circuit is identical with SE-E1.
- The main monitoring functions are identical with SE-E1.
- The SE-E2 is both CE and UL approved.

Operation

- When a temperature cut-out occurs (motor, discharge gas or oil) the SE-E2 interrupts the relay contact in the safety chain. It closes again after a time delay if all temperatures have dropped below the set point (automatic reset).
- The SE-E2 also monitors phase failure during compressor run time.
- The SE-E2 is applicable for variable frequency drive operation.

Power Supply

- Motor voltages: 80 – 575V (+10 / - 10%), 50 – 60 Hz.
- Supply voltage: 24-240V (+10 / - 25%), AC / DC, 50 – 60 Hz.
- VFD operating range from 20 – 100 Hz.

