



SENSIA
Rockwell Automation + SLB

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1 Introduction

This technical bulletin outlines the key differences between Generation I (Gen I) and Generation II (Gen II) E30 Variable Speed Drives (VSDs). The enhancements in Gen II VSDs are designed to improve functionality, safety, and space optimization. This document will help customers understand the changes and benefits of the new design.

2 Gen II & Gen I Differentiation

Feature	Gen II	Gen I
Electronic Door Sensor logged	Y	N
Door Warning Horn when interlock is bypassed	Y	N
Dedicated Power Junction Box (PJB) with Breakers installed in PJB	Y	N
DC Power Supply installed for the Instruct Controller	Y	N
Low Voltage Box and Instrumentation Box combination for Fr.6 – Fr.8	Y	N
Overall enclosure size optimization Fr.6 – Fr.8	Y	N

Note : Low Voltage Box and Instrumentation Box in Fr.9 and Fr.10 are not combined

Requirements:

Y = Installed

N = Not Installed

3 Common Between Gen I & Gen II

Feature	Gen II	Gen I
Electronic Door Locks w/Key	Y	Y
Dedicated low-voltage cabinet	Y	Y
Emergency Shutdown (ESD)	Y	Y*
Pilot lights	Y	Y*
Circuit breakers	Y	Y*

*Previously a mix of Schneider parts were used. Now all Rockwell parts are used.

4 Revision History

Revision	Change Description	Date Issued	Author
01	Initial release	January 13, 2025	ZAL

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