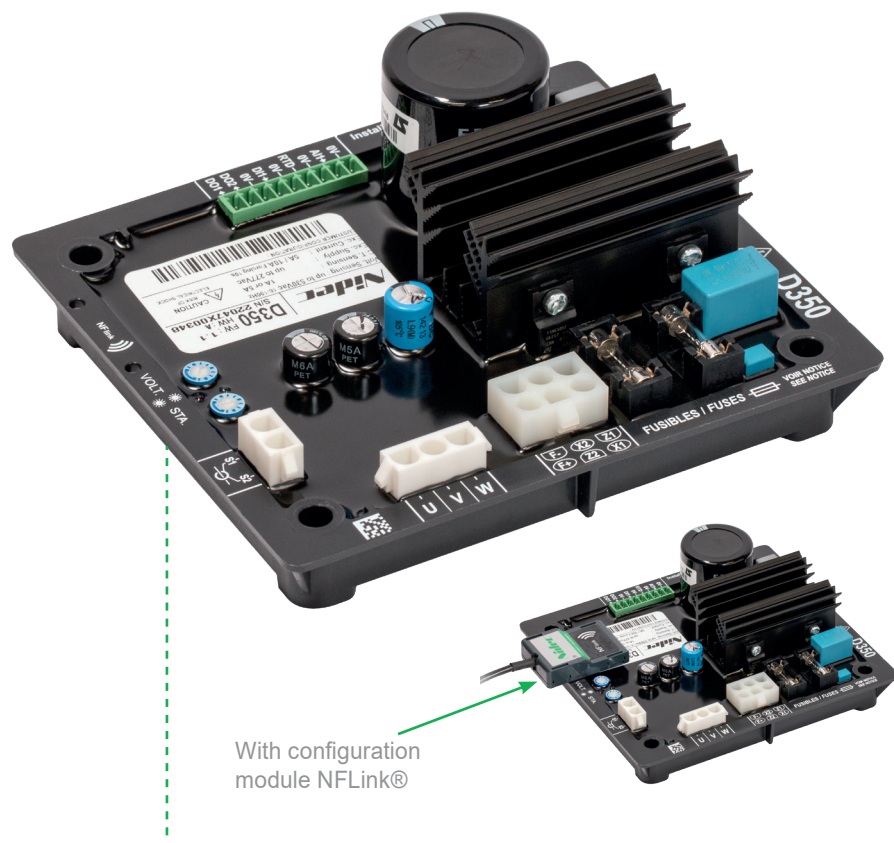


D350 DIGITAL AVR FOR ALTERNATORS WITH SHUNT, AREP OR PMG EXCITATION



The D350 is a digital automatic voltage regulator (AVR) for alternators which require rated field current up to 5 A.

It offers numerous control and protection functions for the various components of generator sets, especially for managing short-circuits and load impacts.

The D350 can be configured using the Nidec Leroy-Somer EasyReg Advanced software.

For easier maintenance and investigations in the event of problems, the D350 also offers an event logger function and an NFLink® wireless communication module for setting parameters and retrieving data.

The D350 conforms to standard IEC 60034-1 and is certified UL508 and CSA.

DATASHEET

KEY FEATURES

- Rated excitation current: 5 A
- Maximum excitation current: 10 A for 10 s
- Voltage regulation accuracy: $\pm 0.25\%$
- Excitation: SHUNT, AREP or PMG
- Voltage sensing: three-phase or single-phase - 530 VAC max.
- CT input: yes (1 A and 5 A)
- Mate-N-Lok connectors
- Quadrature droop function
- Over-excitation protection
- Loss of sensing
- Stator current monitoring
- U/F function
- LAM function
- Soft Start function
- Voltage soft recovery
- Two configuration modes can be activated by a digital input (eg. 50/60 Hz)
- Event logger

CONNECTIONS AND COMMUNICATION

- Inputs:
 - 1 x analog input
 - 1 x digital input
 - 1 x thermal sensor input (configurable in PT100 or PTC)
- Outputs:
 - 2 x digital outputs
- Event logger
- NFLink® module for configuration
- Mate-N-Lok connectors

OPERATION CONDITIONS

- Operating temperature range:
 - 40°C to +65°C
- Storage temperature range:
 - 55°C to +85°C
- Hygrometry: up to 98%
- Maximum impact: 9 g on 3 axis

OPERATION RANGE

	LSA 40	LSA 42.3	LSA 44.3	LSA 46.3	LSA 47.3	LSA 49.3	LSA 50.2
SHUNT	✓	✓	✓	✓	✓	✓	✓
AREP	✓	✓	✓	✓	✓	✓	✓
PMG	-	✓	✓	✓	✓	✓	✓
	TAL 040	TAL 042	TAL 044	TAL 046	TAL 0473	TAL 049	
SHUNT	✓	✓	✓	✓	✓	✓	
AREP+	✓	✓	✓	✓	✓	✓	
PMG	-	✓	✓	✓	✓	✓	
	LSAH 42.3	LSAH 44.3					
AREP	✓	✓					

DIMENSIONS

