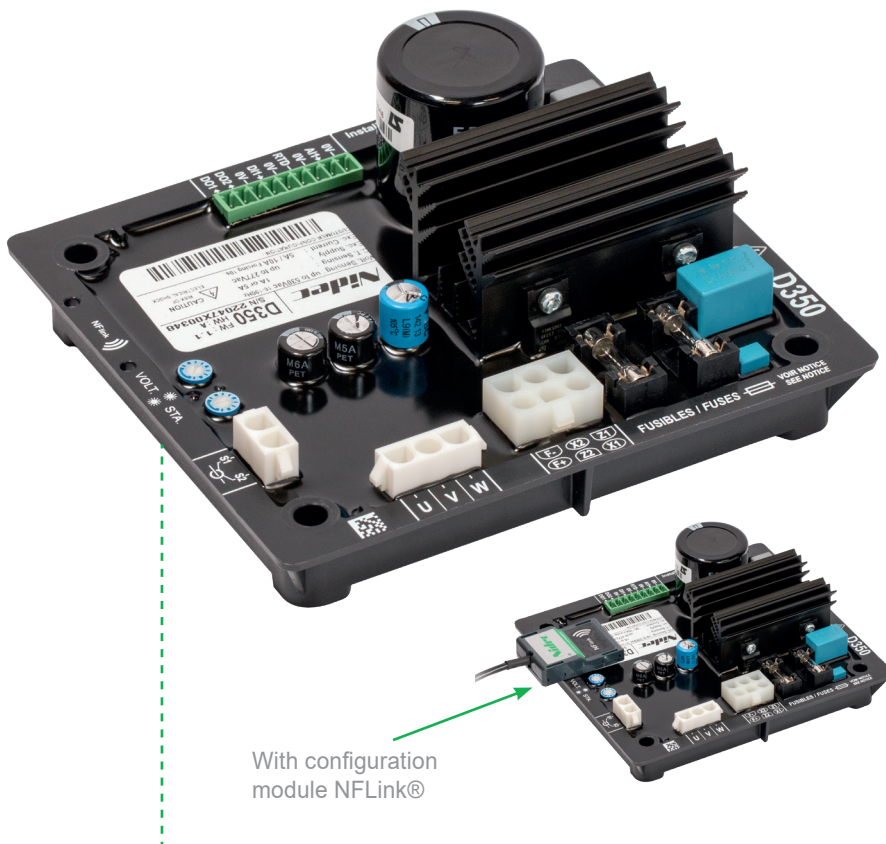


# D350 DIGITAL AVR

## FOR ALTERNATORS WITH SHUNT, AREP OR PMG EXCITATION



### 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

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 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.

## 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

