



SPM Synchronous Motor Protection and Control Relay Product Release Notes

GE Publication Number: GER-4051A

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Overview

Summary

- Affected products: SPM Synchronous Motor Protection and Control
- Date of release: April 11, 2005
- Manual revision: GEK-113045

Release summary

This release note covers the new Harsh Environment option of the SPM Synchronous Motor Protection and Control relay.

GE Multilin technical support

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Release details

New features

Hardware: added Harsh Environment option

This release includes the addition of the Harsh Environment conformal option. This option is for use in sulfur-rich environments such as petroleum and chemical plants, oil refineries, paper and pulp recycling plants, sewer and wastewater plants, and steel mills. The atmosphere produced by various chemical technologies in such facilities causes a serious corrosion problem for many metals used in electrical apparatus. A high level of humidity and temperature contributes to the corrosion process leading to electronic equipment failures.

The Harsh Environment conformal option:

- protects electronic equipment from corrosive gases
- reduces machines and processes down time
- minimizes equipment maintenance and repair cost

The harsh environment option is signified by the addition of an "H" to the SPM order code as shown below:

	SPM - * - *		
Base Unit	SPM		
Configuration	0		Standard starting and protection relay with VDN board
	PF		Power Factor regulation option. Used on motors with SCR exciter (not recommended for brushless applications)
Harsh Environment	0		Standard meter
	H		Harsh (chemical) environment conformal coating