Humidity detection of MV drive system

An add-on solution that shields your drives from condensation

Proactive preventive technology

High humidity has a detrimental effect on your critical power equipment. Moisture causes dust particles to stick onto the equipment's surfaces and aggravates corrosion. Hence it is key to maintain a safe working environment.

Based on field experience across the globe, GE Power Conversion recommends installation of humidity sensors in your existing drives to detect condensation in advance and reduce unexpected short-circuits that may occur if condensation is undetected or unaddressed. This simple sensor installation protects your drives from condensation, thereby preventing unexpected blackouts.

Benefits

- The humidity value will be made available on HMI. Humidity sensor triggers an alarm, if cooling unit's outlet water temperature is lower than the dew point.
- The sensor addition comes with a software upgrade in the drive for humidity sensor to actuate 3-way valve that is located at the primary side of the heat exchanger to decrease humidity.
- If humidity remains, 'Drive trip' will be triggered.
- Condensation process can be avoided, thereby preventing the installations from high risk.
- Minimal change to your system as it is just an add-on solution to your existing drive.
- Complete installation support by GE experts.

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Humidity Sensor

Flexible Installation options

- Wall mounted or duct mounted.
- The sensor can be mounted on the cooling unit or on the control cabinet (if it is vented).
- Mounting plates are provided to ease the installation process.

Salient points

- *It is applicable to all MV7K & SD7K drives.*
- *Field Service Engineer (FSE) completion time on site will be in most cases 1 FSE day / converter, unless otherwise dictated by the Site working or installations conditions.*
- *GE recommends to add this Humidity sensor during the next maintenance.*

GE's services for a lifetime

GE offers bespoke service support in the form of spares and replacement parts, onsite and remote technical support, maintenance services, upgrades, customized trainings and service agreements aimed at supporting customers based on their unique needs.