New ABB intelligent monitoring unit makes energy management simpler

**New ITS2 is world's first intelligent monitoring unit with built-in temperature sensor**

Zurich, Switzerland, April 27, 2015 – ABB, the leading power and automation technology group, has launched the SlimLine XR ITS2, the world’s first low-voltage switch fuse disconnector with integrated temperature monitoring functions. The new SlimLine XR ITS2 supports the growing demand for energy management systems by making switchgear installations smarter, smaller and at lower cost.

Energy management systems are essential for many new commercial and industrial buildings, datacenters, hospitals and solar power installations. To make analyzing and controlling energy consumption simpler, the new ITS2 intelligent monitoring unit integrates sensors for temperature as well as for current, voltage and the main electrical parameters directly into the switchgear’s fuse protection.

ITS2 also contains a software setup tool, Ekip Connect, which allows the switch to share vital information about system reliability and energy consumption directly with ABB’s intelligent Emax 2 low voltage circuit breakers and smart grids.

Jan-Thore Övrum, Global Product Manager, said: “With the new ITS2 intelligent monitoring unit, ABB’s SlimLine XR range continues to lead the market. This is the next generation of intelligent switch fuse disconnector for energy management systems, an innovation that makes it even simpler to monitor all key electrical parameters using Modbus communication.

“ITS2 can help to analyze, optimize and control energy consumption, interfacing directly with ABB’s Emax 2 breakers and smart grids. It will help our customers to operate their electrical networks in the safest and most economical way possible.”

ITS2 can alert facility managers if fuses blow or temperature or currents exceed the given limits. ABB also offers the XR ITS2 monitoring module with a fully integrated motor operation unit. Using the Ekip Connect software, this can set the unit to switch off automatically if high loads or short circuits blow one or more fuses. This can prevent a three-phase motor from continuing to run if one of the fuses are blown.

The new ITS2 intelligent monitoring unit is fully integrated in ABB’s SlimLine XR range of switch fuse disconnectors. These slimmer switches allow more outgoing feeders per switchboard, saving cubicle and floor space – and costs. The SlimLine XR range has rated currents of 160-630A and can be used in 2-, 3- and 4-pole networks, with either DIN NH or BS fuses. Plug-in contacts make it fast, easy and safe to install, even under live voltage.

Niko Railo, Global Product Group Manager, said: “SlimLine XR ITS2 can provide enormous energy saving opportunities. By embedding intelligence that enables remote operation and monitoring, panel builders can now choose switches that deliver more performance, and far more in terms of wider space and cost savings.”

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