



## Selective Coordination Panel

Meeting the Demands of the  
New 2008 NEC® Code





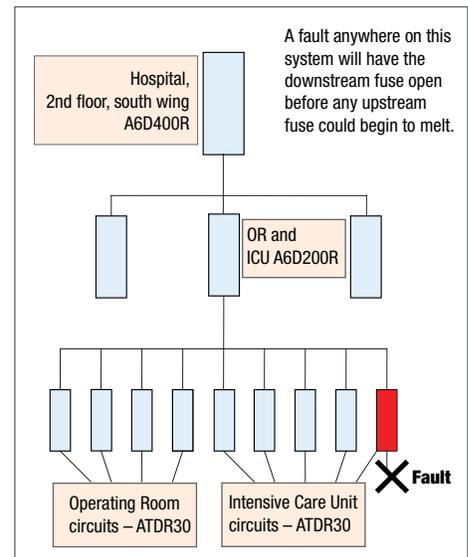
## Market Requirements

**Due to recent NEC® changes, a requirement to provide selective coordination emerged in a number of critical circuits.**

Due to recent NEC® changes (implemented in the 2005 code cycle and refined in the 2008 code cycle), a requirement to provide selective coordination emerged in a number of critical circuits. The NEC® now requires selective coordination for Emergency (700.27), Legally Required Standby (701.18), Essential Electrical Systems (517.26) and Critical Operations Power Systems (708.54). As more states adopt the 2005 and 2008 NEC®, consulting/specifying engineers will be required to provide selective coordination as part of their electrical systems design in the construction or retrofitting of hospitals, office buildings, commercial buildings, critical power applications and similar installations.

### What is selective coordination?

Selective coordination requires that the protective device nearest a fault trips before any upstream protective device, assuring critical loads connected in parallel to the fault are not interrupted. This can be accomplished with either circuit breakers or fuses, but fused solutions are the easiest way to implement, and more importantly, ensure selective coordination during the life of the installation. Doing this with circuit breakers is initially costly and is susceptible to degradation over time, eventually losing its selective coordination. Fused solutions are the easiest and most cost effective way to provide selective coordination with 2:1 ratios using Amp-Trap 2000® fuses and will ensure the selective coordination over the life of the installation.



Example of a Coordinated System



## A relentless pursuit of protection for electrical components, systems - and the people who use them.

Ferraz Shawmut is an international company manufacturing the widest range of circuit protection solutions in the electrical industry. Drawing on a century of experience - and an ongoing commitment to critical research in electrical safety - we provide industrial, commercial, and OEM customers with innovative products and technical support teams to increase effectiveness, simplify applications, and enhance productivity. Learn more about our circuit protection solutions at [us.ferrazshawmut.com](http://us.ferrazshawmut.com).

### Other Circuit Protection Products from Ferraz Shawmut:

A wide range of circuit protection products are available including:



For more on Selective Coordination Panels, visit our website at [us.ferrazshawmut.com](http://us.ferrazshawmut.com).

374 Merrimac Street  
Newburyport, MA 01950  
T: 978-462-6662  
F: 978-462-0181

88 Horner Avenue  
Toronto, Ontario,  
Canada M8Z 5Y3  
T: 416-252-9371  
F: 416-252-6572

©2008 Ferraz Shawmut. All rights reserved.

BR-SCP-001 / Q5000 / 8.08 / STASSOC