

Double Breaker provides Double Redundancy with Double closing and opening coils!

A F Switchgear, one of the UK's largest switchboard manufacturers have successfully installed the latest TemPower2 ACBs from Terasaki for a state of the art data centre for a well known data processing organisation.

In total there were 12 switchboards installed using the latest 'DoubleBreak' technology of the extremely compact TemPower2 ACB, comprising 55 ACBs in total.

To provide the end user with ultimate reliability on the critical UPS circuits, the consultant WSP required that all critical loads be protected with TemPower2 ACBs using the double closing and double opening coils to provide double redundancy.

Karl Luke an associate of WSP commented "These loads were controlled by dual PLCs to ensure that if the first close signal failed to connect the UPS to the critical load, the second closing coil would be operated to ensure power supply was maintained. The TemPower2 ACB from Terasaki provides this feature thus giving extremely high levels of reliability and system integrity".

So successful was this solution that A F Switchgear and WSP will use this highly reliable design on the second phase of the data processing facility and for a major development for a well known clearing bank in Scotland. Ian Foster, Managing Director of A F Switchgear commented "Another benefit of using Terasaki was that the protection relay offered double the number of time current curves previously found only from specialised relay manufacturers".

"By using TemPower2 with the AGR-R relay we had a choice of extremely flexible Standard Inverse, Very Inverse and Extremely Inverse curves to provide selectivity with medium voltage relays and the downstream MCCBs".

END OF PRESS RELEASE

For further details on the new TemPower2 DoubleBreaker ACB and added value benefits it can provide please contact Terasaki Marketing on 0141 565 1689. If you mention TemPower2 you will receive a TemDram miniature of whisky which at 50ml is also a double!



System Operation

Hitec recommend the use of dual redundant opening/closing coils on circuit breakers to further enhance system reliability

