



**Frederick Thomas**  
ELECTRICAL & MAINTENANCE LTD

**SPECIAL  
TESTING  
SERVICES**

## **RETAIL**

# **B & Q STORES**



For a large modern building and decorating warehouse, supplying trade and public, reliable power is essential. As part of their ongoing store refurbishment programme, B&Q have decided to use FTE&M Special Testing Services to determine the condition and loading of critical switchgear before and after alterations take place.

Starting with the main incoming power supply to the store, all critical switchgear components are tested according to strictly controlled guidelines.

B&Q then plan the replacement of any defective switchgear during their refit, saving a considerable amount of time, cost and inconvenience.

A key feature of most FTE&M Special Testing programmes is that the tests are performed energised. This means no interruption to the power supply, or business, and makes our service a highly competitive option.

At B&Q stores we carry out standard Ultrasonic and Infrared testing, plus voltage, current & harmonics variables on all critical switchgear components.

High frequency lighting and switch-mode power supplies can adversely effect power quality.





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## SPECIAL TESTING SERVICES

A tight deadline does not mean corners are cut; the safety of our staff and the uninterrupted operation of the facilities is always our number one priority.

Having performed an Ultrasonic scan of the panel first as an 'early warning' safety precaution, two of our Technicians are shown below accessing the area supplying power to three large circuit breakers. Direct line of sight to critical areas of the switchgear is essential to obtain accurate IR temperature measurements.



B & Q STORES

FTE&M Special Testing Services can save a great deal more than it initially costs, in fact it can have a positive effect on the annual budget. The service provides organisations the luxury of being able to plan ahead and replace any components that show up as a risk before they fail and cause disruption to the facilities, which inevitably results in expensive call out charges.

FTE&M Special Testing Services greatly reduces the risk of electrical fires, caused by overheating components being undetected. An annual performance test on the critical components in an Electrical Distribution System can extend its useful working life by as much as 30%. The majority of our test programmes are performed with the system fully energised; you carry on with your job while we carry on with ours.

A meeting could turn out to be one of the soundest investments your Organisation makes this financial year.

REGISTERED MEMBER



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