

New Siemens ELV innovation offers further energy savings

A new design of electrical transformer specifically designed to significantly reduce the overall power requirements of extra low voltage traffic signal installations has been introduced by Siemens.

Siemens new 'low inrush' versions of the ST900ELV have been designed to minimise the controller inrush current, contributing further to lower running costs and reduced carbon impact. Use of the new transformers allow the controller master fuse to be reduced to only 16A and the cut out fuses to be rated as low as 25A. According to the company's Head of Product Management, Keith Manston, the innovation means that the company's ELV signal controller is much more efficient than standard versions and allows lower Elexon codes to be offered.

With existing equipment using large transformers to provide the ELV supplies, the controller inrush current during 'switch-on' is still considerable, resulting in the need for large master fuses (typically 45A). This in turn means cut out fuses have to be correspondingly large, up to 100A, so a larger supply capacity than is strictly necessary must be purchased.

This new development extends the company's innovative portfolio of sustainable solutions aimed at offering carbon and energy savings. The company's proven LED retrofit portfolio allows existing incandescent traffic signals to be upgraded to modern, low power Siemens CLS LED technology, whilst maximising the re-use of existing roadside infrastructure.

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About Siemens in the UK

Siemens was established in the United Kingdom 167 years ago and now employs 16,915 people in the UK. Last year's revenues were £4.2 billion. As a leading global engineering and technology services company, Siemens provides innovative solutions to help tackle the world's major challenges, across the key sectors of energy, industry and healthcare. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company's global headquarters is in Munich, Germany. For more information, visit www.siemens.co.uk

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