



Siemens Technical Bulletin STAB10-0064

LV CLS Retrofit does not support CLS + LMF

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Product: ST900LED & LV CLS Retrofits**Modifications Req:** No**Retrospective Action Req:** No**Priority of Change:** Information only

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Introduction

The ST800/ST900 LV CLS Retrofit feature and new ST900LED Controllers monitor CLS LED Signals without needing LMF units. These controllers use a modified version of the Lamp Switch Card called the "LED Lamp Switch Card".

The LED Lamp Switch Card used to monitor CLS LED Signals without LMF units also has the capability of monitoring a small number of incandescent lamp loads on each on-board sensor. This feature was included primarily to allow a controller to be upgraded to LV CLS while still being able to monitor two pedestrian signals and two wait lamps, without needing to change the IC4 configuration.

However, although the controller documentation suggests that CLS+LMF signals can also be monitored **this is not the case**. The LED Lamp Switch Card **will not** correctly monitor the 'simulated' lamp load generated by the LMF unit. This can lead to spurious lamp faults being logged, or failures of the CLS LED signals being missed.

As a result, the CLS+LMF option has been removed from the latest version (issue 6) of the LV CLS Handbook > [667/HB/32921/007](#).

Scope

ST800 LV CLS Retrofit

ST900 LV CLS Retrofit

ST900LED

Procedure

If spurious lamp faults are logged, or failures of LED signals are missed at LV CLS controllers, i.e. those fitted with "LED Lamp Switch Cards", check whether CLS+LMF signals are fitted.

It is also recommended that, where possible at the next site visit, any LV CLS controllers are also checked to ensure no CLS+LMF signals are fitted.

Note: During the original upgrade of a site to LV CLS, LMF units may have been by-passed and may still remain in the signal head. This is acceptable. The problem only affects LV CLS controllers where the LMF is still in circuit.

The LMF units must be removed or by-passed and the controller set up to monitor CLS signals without LMF units (e.g. KLT s=1).

For pedestrian phases where the WAIT lamps are driven from the phase AMBER output, monitoring of those WAIT lamps will no longer be possible, unless the IC4 configuration is changed.

Harry Smyth

Senior Product Engineer

Technical Support

Traffic Solutions

Sopers Lane, Poole, Dorset BH17 7ER

Tel: +44 (0)1202 782027

Mob: +44 (0)7921 242893

Email: > harry.smyth@siemens.com> www.siemens.co.uk/traffic

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For full details, please refer to the LV CLS Handbook > [667/HB/32921/007](#) issue 6 (or later).



Related documents

> [667/HB/32921/007](#) (issue 6 or later)



Approved by: Keith Manston

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