



Siemens Technical Bulletin STAB12-0077

# New Nearside Low Power (LP) Pedestrian Signals

9th August 2012

**Product:** *Nearside Units***Modifications Req:** *No***Retrospective Action Req:** *No***Priority of Change:** *Information Only*

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## Introduction

Due to the untimely withdrawal of our normal LED components, Siemens have been forced to redesign our range of pedestrian Nearside Units to support an alternative LED Supply.

The original intent was to undertake this redesign whilst maintaining the overall power consumption so that the units would be backwardly compatible without the need for any changes to existing controller configurations.

However this has proven impossible so it is necessary for the units to have new part numbers and also means that they cannot be simply used as spares replacements for existing units.

## Scope

To provide details of the New Nearside Low Power (LP) Product.

Please note that the remaining stock of the old NLM Nearside products will be used up where possible with LV Controllers only (i.e. when lamp monitoring is not required). Once all remaining stock is used, this product will become obsolete and removed from the order book.

## Procedure

All new Nearside Puffin and Toucan indicators, built and delivered from mid August onwards, will be of the new type. Equestrian signals have not been modified at this time due to the very small numbers of units sold.

The new units have lower power consumption, which will make them more competitive, particularly with AGD units. New ELEXON codes will be published as soon as they are available.

The new design also offers a much better lamp monitoring performance when harmonics are present on the Mains supply, which is known to cause ELV controllers to occasionally flag lamp faults when they do not exist.

However, due to these changes, particularly the resulting lower power, these new Nearside Units are not backwardly compatible with previous versions as they cannot be lamp monitored without changes to the ELV controller firmware and configuration.

To ensure that they are easily identifiable the new units will have new part numbers assigned to them.

Please note that Demand and Wait Indicators are unaffected by these changes. Only the red and green puffin / toucan near-side signals have been updated.

The list of new part numbers for these New Nearside LP (Low Power) Units are contained in the following file:

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### ➤ New Nearside LP Partnumbers

The main ST750/ST900 Firmware PB801 Issue 13 (or higher) is also required to support monitoring of these New Nearside LP Units. The handset command "KLT s=8" can be used to select the correct load type for each sensor(s). Then after changing the load types, reset the lamp monitor using the KLR=1 command to learn the new characteristics and confirm all lamp loads are learnt correctly.

Remember, these new Nearside LP units and PCBs are NOT backwards compatible with the previous where lamp monitoring is required so cannot be used as spares in ELV sites (although they can be used as spares in LV sites where lamp monitoring is not supported in any case).

Siemens are currently developing a retrofit kit, which can be used to increase the power of the new Nearside units in order to make them compatible with the older design and so usable as a spare in ELV sites. This will be released in the coming months.



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### Related documents

667/HB/30000/000 - Helios General Handbook



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