



SMARTLINK COMPATIBILITY WITH ELV CONTROLLERS

27th May

2009

Product: *Smartlink***Modifications Req:** *No***Retrospective Action Req :** *No***Priority of Change:** *Information only*

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Email: harry.smyth@siemens.comwww.siemenstraffic.com*Committed to quality traffic solutions and service excellence***Introduction**

It has been identified that if Smartlink is fitted to an ELV site or an existing Smartlink site is upgraded to ELV, the overall ELV status of the installation can be compromised.

Scope

Smartlink fitted to any ST900 ELV or ST750 ELV controllers.

Procedure

ST900 ELV & ST750 ELV Controllers utilise an earthed negative 48VAC rectified supply, so that any electrolytic corrosion is not detrimental to performance.

However Smartlink typically uses an earthed 24VAC supply to power the radio head mounted on a mast on top of the traffic pole.

Use of an earthed AC supply can compromise the ELV system at the pole cap, unless adequate separation is observed, as the maximum voltages between the Traffic Controller outputs and the earthed AC supply exceed 50VAC.

Traffic Solutions are pursuing a solution that powers the Radio Heads with a voltage compatible with the earthed negative 48VAC rectified supply, offering appropriate RS485 communications.

A further bulletin will be issued with full details of the solution in due course. Until that time, it is recommended not to fit Smartlink to ELV site but refer to Engineering for support.

Engineering Contact: **Peter Lings** (01202 782304)

Related documents

n/a

Approved by: Keith Manston