

## Introduction

This Guide applies to the Siemens Low Level Access Pole (Pole). The Pole has a belled section to accommodate a Siemens Water Resistant Enclosure. See also 667/CI/46621/000.

In some respects the Low Level Access Pole is not as strong as a conventional traffic signal pole. For this reason the locations in which the Pole can be installed, and the equipment which can be attached to it are restricted.

This Guide should be read in conjunction with the NAL manual and the Siemens Installation Quick Reference Guide.

## Installation of the Pole in NAL Socket

The Pole is designed and approved for installation into a NAL 115 mm retention socket only and should NOT be installed by any other method without prior agreement of the Siemens Product Manager. The Pole is only to be installed in a NAL 115 retention socket as follows:

- 3.9 and 4.2 metre straight and cranked poles - RS115D/F x 600 mm
- 6.0 metre straight pole - RS115D/F x 900 mm

To install the Pole in the socket follow the instructions in the NAL manual.

## Installation Restrictions

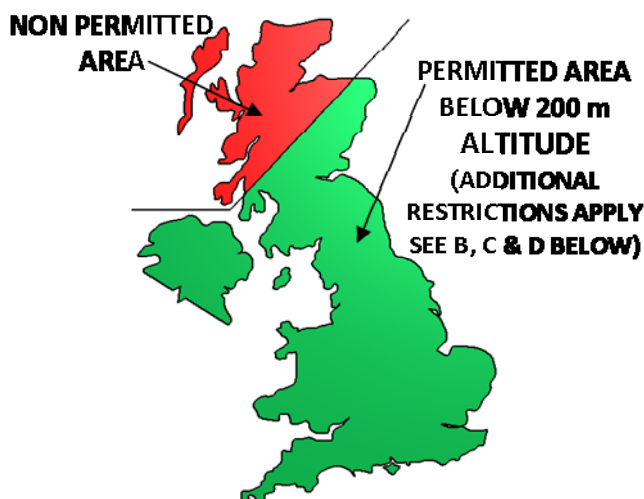
### **Wind Strengths**

Winds are stronger in some geographical locations, at high altitudes and near exposed coasts. For these reasons restrictions are applied to the areas where the Pole may be installed.

### **Geographical Restrictions**

As winds are stronger in Northern Scotland the Pole is not to be installed in the area specified without specific approval from the Engineering Department.

Figure 1 - Geographical Restrictions



### **Altitude Restrictions**

The Pole is not to be installed at locations more than 200 m above MSL without specific approval from the Engineering Department










### **Exposed Coasts**

Additional restrictions apply when the location is near an exposed coast - See Tables 1, 2 and 3.

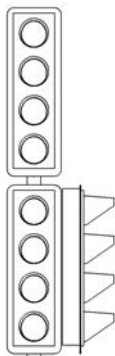
## Equipment Restrictions

Installation of some combinations of equipment is not permitted as shown in Tables 1, 2 and 3 below.

**Table 1 - 3.9 & 4.2 m Pole Equipment Restrictions**

CONFIGURATION	AWAY FROM EXPOSED COAST STRAIGHT	AWAY FROM EXPOSED COAST CRANKED	ON EXPOSED COAST STRAIGHT	ON EXPOSED COAST CRANKED
 1 x 3 ASPECT or 1 x 4 ASPECT	OK	OK	OK	OK
 2 x 3 ASPECT	OK	OK	OK	OK
 2 x 4 ASPECT	OK	OK	OK	NO
 3 x 3 ASPECT or 4 x 3 ASPECT	OK	OK	OK	NO
 3 x 4 ASPECT or 4 x 4 ASPECT	OK	OK	OK	NO
 1 x 3+1 ASPECT or 1 x 4+1 ASPECT	OK	OK	OK	NO
 2 x 3+1 ASPECT or 2 x 4+1 ASPECT	OK	OK	OK	NO
 3 x 3+1 ASPECT or 4 x 3+1 ASPECT	OK	OK	NO	NO
 3 x 4+1 ASPECT or 4 x 4+1 ASPECT	OK	NO	NO	NO

**Table 2 - 6 m Pole Maximum Equipment Restrictions**



AWAY FROM EXPOSED COAST	2 x 4 ASPECT AT LOWER LEVEL and 1 x 4 ASPECT AT UPPER LEVEL
ON EXPOSED COAST	INSTALLATION OF 6.0 m POLES WITH ANY CONFIGURATION OF SIGNAL HEADS DO NOT INSTALL—CONTACT ENGINEERING

**Table 3 - Additional Restrictions**

Location Outside Permitted Area	Altitude Above 200 m	Side Extension Arms	Unspecified Additional Equipment	Camera or Similar Size Equipment on Standard Bracket
DO NOT INSTALL CONTACT ENGINEERING	DO NOT INSTALL CONTACT ENGINEERING	DO NOT INSTALL CONTACT ENGINEERING	DO NOT INSTALL CONTACT ENGINEERING	Assume equivalent to 1 x 3 ASPECTS Signal Head