

# PSU and PDU

## Puffin Signal Unit and Puffin Demand Unit

### Objective

To provide a high reliability, long lifetime, low power Puffin split signal and push button box.

### Features:

#### Casing

- Fully type approved by the UK Government to TR2181
- Die cast aluminium alloy housing and door to give extremely high impact resistance – exceeding EN 60598
- Minimised door aperture and polycarbonate legend to give high resistance to vandalism
- Resists all conditions of the environment – rated at IPX5X
- Capacity to fit additional terminal blocks
- Mounting arrangement allows easy upgrading of existing sites
- Complies with all interfacing requirements with controllers

#### Signal Repeater

- LED signal illumination gives high reliability, low maintenance and low power consumption
- Excellent optical performance in all weather conditions
- Lamp monitoring on both signals

- Operates from Extra Low voltage for improved safety
- Electronics protected when door is opened or removed

#### Button Repeater

- Comes fully prepared to accept both audible and tactile signals

**The Microsense Pedestrian Puffin Demand Repeaters have been designed to meet the requirements of TR2181. The housings and doors of the boxes are cast in aluminium and finished to give a tough, corrosion-resistant product. These units can be used as a direct replacement, utilising existing mounting arrangements.**

The signal illumination is provided by LEDs, which give the Puffin Signal Repeater a low power consumption, a long lifetime, a low maintenance requirement and good colour stability.

Access to the interior of each unit via the hinged door, which is secured by a 'T' key lock. The legend panel is secured to the door assembly with a supporting plate, which greatly increases the strength of the legend.

The button repeater is supplied with a pre-drilled mounting point, which may be used for a standard Audible or Tactile device. A second mounting point is available for a further Audible or Tactile device, if required. Installed boxes may be upgraded with additional Audible or Tactile devices on site with a minimum of effort.



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## Specifications:

### Housing:

**Material:** Aluminium, yellow powder coated

### Overall Dimensions – Signal Repeater:

352 mm(H) x 139 mm(D) x 222 mm (W)  
(including hinges)

**Weight:** 5kg

### Overall Dimensions – Button Repeater:

190 mm (H) x 133 mm (D) x 222 mm (W)  
(including hinges)

**Weight:** 3 kg

**Mounting method:** Bolts supplied as standard,  
with fixing kit

### Door:

**Material:** Aluminium, black powder coated

**Mounting method:** Attached to base by hinge at  
bottom (detachable when open) and by 'T' bolt at top.  
Door movement is restricted in normal use by a  
polypropylene strap.

### Legend panel:

**Material:** Polycarbonate

**Illumination type:** LEDs

**Tactile/audible equipment** May be fitted to this  
equipment and the Button Repeater.

**Terminations:** The Signal Repeater is fitted with one  
12-way and one 6-way terminal block, as standard.  
There is capacity for a further three 6-way terminal  
blocks as required.

## Ordering information:

Signal Repeater – order as:

NSU 1001 Blank legend  
NSU 1002 2 figure legend  
NSU 1003 Cycle legend (toucan)  
NSU 1004 Equestrian legend

Append 'L' or 'R' to the part number, for left or right  
hand viewing versions.

Button Repeater – order as:

NDU 2001 Blank legend  
NDU 2002 Standard legend  
NDU 2003 "Stand on mat" legend

The unit may be supplied as either a signal repeater or a  
push button repeater.

**Note:** Microsense also supplies a push button box for  
use on pedestrian crossings at junctions, wig wags and  
similar requirements. Please refer to the MPB data  
sheet.

**Ordering:** Please contact the Sales Department for  
further details or with enquiries about our product range.