

Fig. 5 Footprint dimensions  
The XPA-AE-14015-APO XPandier Weather Resistant Directorial Aerial



## XPandier Weather Resistant Aerial Installation Guide

### General

The Weather Resistant Omni-Directional Aerial and XPandier Weather Resistant Directorial Aerial are for use with the XPandier loop interface and are available under the following part numbers:

XPA-AE-14014-APO	XPandier Weather Resistant Omni-Directional Aerial (c/w 3 metres of coax and surge protector)
XPA-AE-14015-APO	XPandier Weather Resistant Directorial Aerial (c/w 3 metres of coax and surge protector)

The XPandier Weather Resistant Omni-Directional Aerial can be fitted directly to the wall using the supplied fixing bracket. This aerial can also be pole mounted, both fixing options are shown in Figure 1. The XPandier Weather Resistant Directorial Aerial must be pole mounted and details are shown in Figure 2. The installation must conform to BS5839: Part 1 (or applicable local codes). The aerials are monitored with an internal end of line 47k resistor and are supplied with separate inline surge protectors.

### Installation

Ensure that the aerials are sited in accordance with the survey and design details. The recommended minimum distance between metal objects or other equipment from the aerial is 400mm.

Figure 3 details the connection of the Weather Resistant Aerials to the XPandier loop interface via the surge protector. It is essential the surge protector is fitted and earthed to a local building earth connection point, ensuring the XPandier is protected from potential external high voltage surges passed via the aerial i.e lightning strikes.

### Technical Details

XPA-AE-14014-APO	XPandier Weather Resistant Omni-Directional Aerial (c/w 3 metres of coax and surge protector)	Aerial IP Rating IP65 Surge Protector 20kA transient protection
XPA-AE-14015-APO	XPandier Weather Resistant Directorial Aerial (c/w 3 metres of coax and surge protector)	Aerial IP Rating IP65 Surge Protector 20kA transient protection

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The XPA-AE-14014-APO XPander Weather Resistant Omni-Directional Aerial should be mounted vertically. This can be wall or pole mounted as shown below.

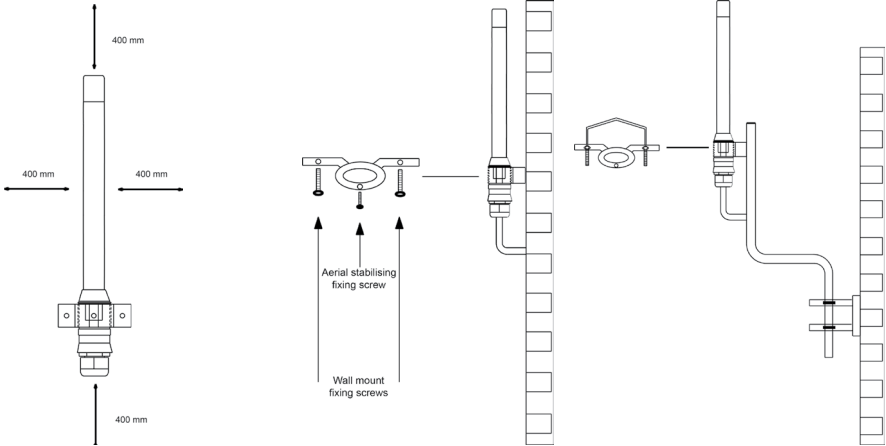


Fig. 1

The XPA-AE-14015-APO XPander Weather Resistant Directorial Aerial should be pole mounted as shown below.

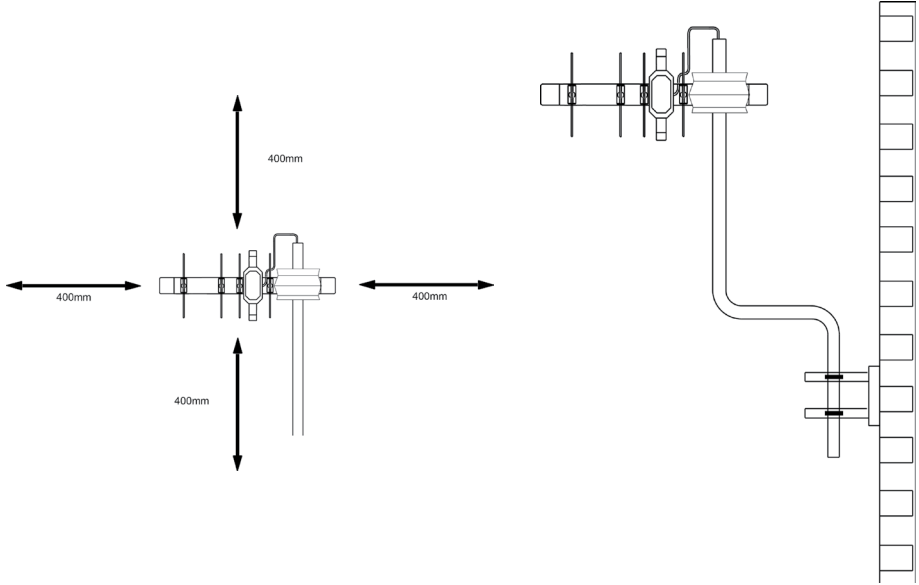


Fig. 2

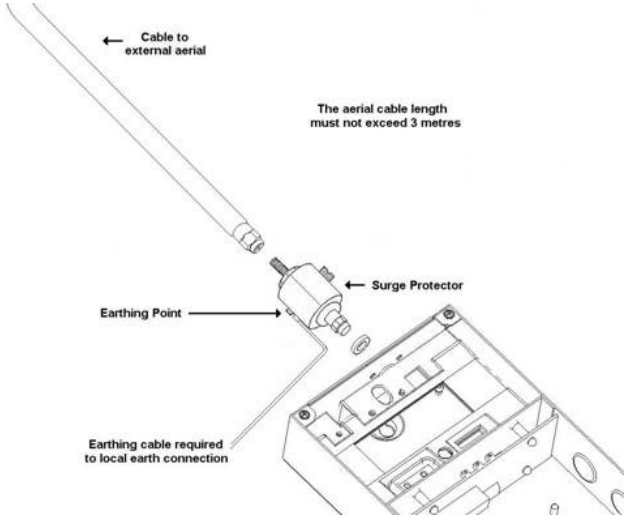


Fig. 3 The Weather Resistant Aerials connection to the XPander loop interface

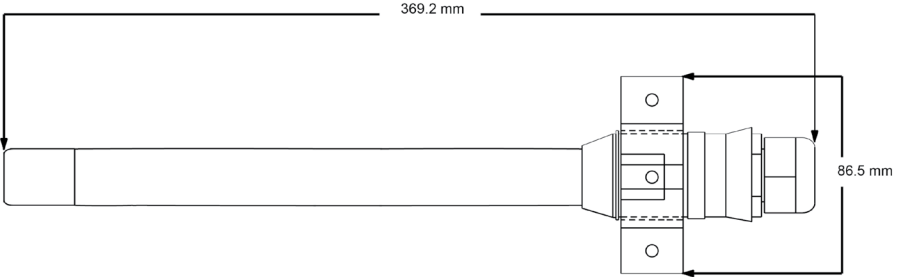


Fig. 4 Footprint dimensions  
The XPA-AE-14014-APO XPander Weather Resistant Omni-Directional Aerial