



Fire detection and evacuation solutions that save lives



Site Survey Instructions

MAN 3080-4

Introduction

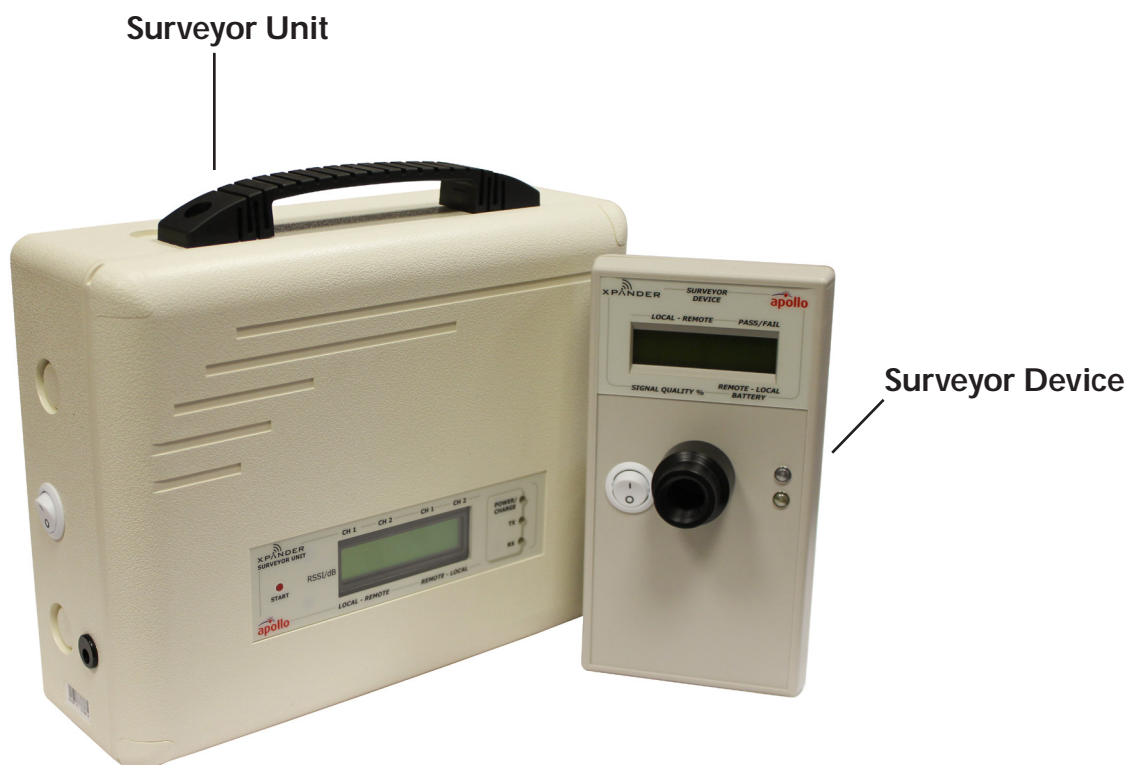
Radio waves have very different characteristics to wired links and it is necessary to ensure that every possible source of attenuation of the radio signal is identified and fully considered in the design of the system.

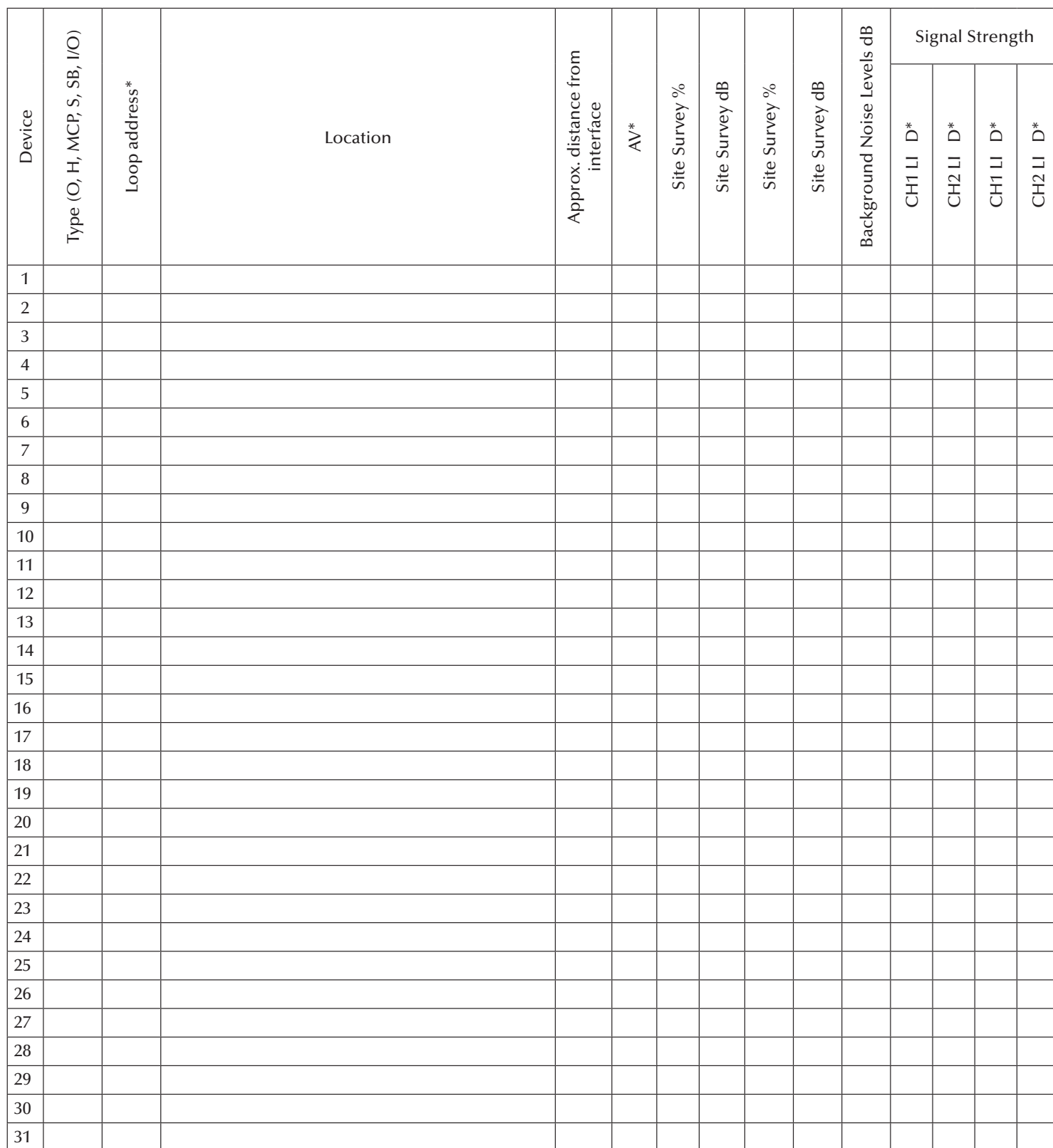
It is therefore essential that a full site survey is carried out as part of the system design prior to any XPander devices being installed. This preparatory work will ensure that good signal integrity is achieved.

The reliability of the data transmitted in the final system is determined by the site survey.

Site Survey Instructions

1. Turn on Surveyor Unit using the switch provided.
2. Position the Surveyor unit in the proposed location of the XPander Diversity interface.
 - The minimum distance of metal objects from the interface is 400mm
 - The minimum distance to other electrical equipment e.g. computers, photocopiers, fax machines and other XPander interfaces is 2 metres (three dimensionally).
3. Switch on the hand held site survey tool.
4. Position the survey or device where the XPander device is to be fitted. Ensuring that the button on the back of the survey tool is pressed against the surface where the device is to be fitted.
 - The survey or unit will now report the strengths, dB readings and background levels.
5. At this point record all information on the XPander radio site survey sheet and then move to the position of the next device.





Frequencies in use* CH1.....MHz CH2 MHz

Background noise level*CH1.....% CH2.....%

* to be completed on install

Building and construction notes

Status of building at the time of survey

Notes

This sheet needs to be completed and kept as commissioning and user documentation.

Approved for installation

YES	NO
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Name

Signature

