

REACH Wireless®

Survey Kit Lite



Product overview

Product	REACH Wireless Survey Kit Lite
Part No.	RW1800-060APO
Digital Communication	N/A

Approvals



Product information

The RW1800-060APO is a portable, battery-powered toolkit for surveying signal strength of the REACH Wireless system, ahead of installation into a building.

The field-device can be held in position to test the signal strength of a potential installation location between it and the network host device. The field-device will indicate signal strength by flashing its on-board LED.

- Includes 1x network host device, 1x field-device, 1x extendable detector mounting pole
- Field-device includes an RGB LED for signal strength indication
- Bi-directional wireless communication
- Dual channel redundancy

Technical data

All data is supplied subject to change without notice. Specifications are typical at 24 V, 25°C and 50% RH unless otherwise stated.

Field Device Radio Frequency Channel Pairs	22 pairs
Radiated Power	14 dBm (25 mW)
Battery Type (Field-Device)	2x VARTA CR123A Lithium 3 V, 1250mAh typical
Battery Type (Network Host Device)	4x VARTA CR123A Lithium 3 V, 1250mAh typical
Operating Temperature	-10°C to +55°C
Maximum Relative Humidity (non-condensing)	95%
Standards and approvals	EN54-25
Dimensions	136 mm diameter x 96 mm height x 57mm depth
Weight (including base and batteries)	270 g

Communication

REACH Wireless Devices use 'radio-frequency' wireless communication to connect to the Loop-Interface.

The Loop-Interface (RW1700-030APO) translates the wireless communication into wired Apollo protocol communication, with each device addressable individually by the fire panel. See datasheets for the Loop-Interface for more information.

EMC Directive 2014/30/EU

REACH Wireless Survey Kit Lite complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this datasheet.

A copy of the Declaration of Conformity is available from Apollo on request.

Construction Products Regulation (EU) 305/2011

The REACH Wireless Survey Kit Lite complies with the essential requirements of the Construction Products Regulation (EU) 305/2011

A copy of the Declaration of Performance is available from Apollo on request.

Signal Quality LED Table				
Rssi (dBm)		LED Activity + Colour	Signal Quality	Ok to Install
Min	Max			
0	-65	● ● ●	Excellent	Yes
-66	-75	● ● ●	Good	
-76	-80	● ● ●	Sufficient	
-81	-85	--	Marginal	No
-86	-90	---	Bad	
-91	-95	----	Very Bad	
-96	-100	-----	Extremely Bad	
101	-105		Range Limit	