

# **REACH Wireless®**

# **Remote Indicator**



| Product overview      |  |
|-----------------------|--|
| Product               | REACH Wireless Remote<br>Indicator   |
| Part No.              | RW1500-800AP0  |
| Digital Communication | Apollo protocol compatibility is handled via the Loop-Interface device, RW1700-030APO.  See product for more detail. |

#### Technical data

All data is supplied subject to change without notice. Specifications are typical at 24 V,  $25^{\circ}$ C and 50% RH unless otherwise stated.

Communication Range between Loop-Interface and

100 m (in open space)

Devices

Field Device Radio Frequency 22 pairs

Channel Pairs

Radiated Power

14 dBm (25 mW)

Battery Type

2x VARTA CR123A Lithium 3V,

1250mAh typical

Battery Lifespan

Five years in normal operation with good signal strength (no dropped

messages)

Operating Temperature

-10°C to +55°C

Maximum Relative Humidity

95%

(non-condensing)

IP 42

Standards and approvals

EN54-25

Dimensions

IP Rating

80 mm diameter x 80 mm height x

32 mm depth

Weight (including batteries) 60 g

## Approvals

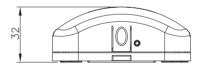


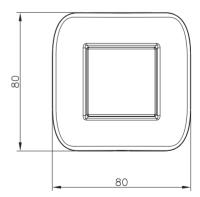


# **Product information**

The RW1500-800APO is a wireless addressable remote indicator that can be used to indicate the activation of an individual device or zone.

- Compatible only with REACH Wireless
- · Red LED with large diffuser for greater visibility
- · Bi-directional wireless communication
- · Dual channel redundancy
- · Five year product warranty





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Email: enquiries@apollo-fire.com Web: www.apollo-fire.co.uk All information in this document is given in good faith but Apollo Fire Detectors Ltd cannot be held responsible for any omissions or errors. The company reserves the right to change the specifications of products at any time and without prior notice.















#### Status LED

The REACH Wireless Remote Indicator is equipped with a visual LED Indicator; LED signals indicate functional status of the device as per Table 1.

| Table 1: REACH Wireless Device Status & LED Indication |  |
|--|--|
| Device Status  | LED Indication   |
| Power Up   | Blinks green four times  |
| Power Up (dip-switch ON)                               | Blinks red four times  |
| Entering Wake-Up                                       | Blinks alternatively green/red four times  |
| Link Success   | Blinks green four times, then repeats  |
| Link Failure   | Enters wake-up mode and signals<br>'Entering wake-up mode' following<br>this failure |
| Normal Condition                                       | LED off  |
| Activation   | LED on   |
| Battery Faults   | LED off  |
| Tamper Fault   | LED off  |
| Replaced   | Blinks green two times   |

#### **Device Addressing**

Device addressing is handled by the REACH Wireless Loop-Interface device (RW1700-030APO).

Devices are soft-addressed automatically when pairing with the Loop Interface and can be changed manually. Hardaddressing using Apollo XPERT cards are not supported.

#### 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.

### **Maintenance and Service**

Maintenance must be performed in accordance with all applicable standards. Clean the detector externally using a soft damp cloth. For full cleaning and recalibration detectors should be returned to Apollo Fire Detectors.

#### Tamper detection

REACH Wireless devices contain an anti-tamper mechanism. In the event of removal from its base, it sends a tamper detection message to the Loop-Interface.

Tampering detection is not signalled visually by the device LED.

#### EMC Directive 2014/30/EU

REACH Wireless Remote Indicator 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 Remote Indicator 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.