



apollo RW1700-052APO REACH Output Module User Guide

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apollo RW1700-052APO REACH Output Module



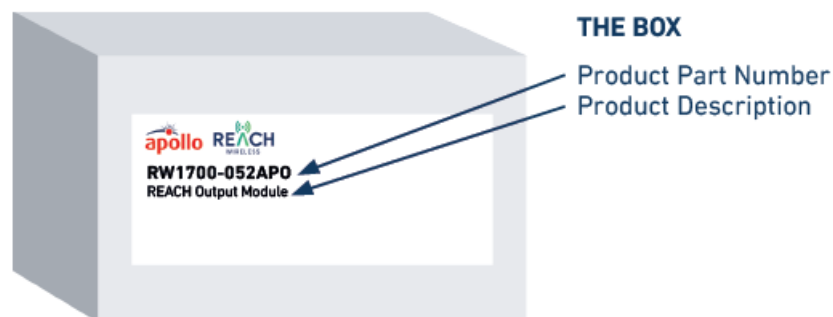
Product Information

The RW1700-052APO REACH Output Module is a device designed for external mounting with an IP65 rating. It comes with a quick start guide for easy installation and a user manual that can be accessed via a QR code. The module has wiring examples for 100mA/12VDC or 50mA/24VDC external device driving capability. It also has a relay switch output for external devices that can be supervised or unsupervised depending on the load.

Product Usage Instructions

1. Perform a comprehensive radio survey to establish the best location for mounting the device. Take into consideration the building structure and materials, and identify any factor that could prevent radio integrity for optimum performance.
2. Ensure that there is at least 2 meters minimum spacing between other wireless equipment in the area to avoid signal interference.
3. Remove the lid from the backbox by removing the screws on the corners.
4. Set the DIP switch to ON 1.
5. For wiring an external device with 100mA/12VDC or 50mA/24VDC driving capability, refer to the wiring example provided in the user manual.
6. For wiring an external device with a relay switch output, refer to the wiring example provided in the user manual. Ensure that the load is polarized if using a supervised relay switch output.

For more information on product usage and installation, refer to the user manual available on apollo-fire.co.uk or contact techsales@apollo-fire.com.



INSIDE THE BOX

- 1 x Output Module
- 2 x CR123A batteries
- 4 x Securing screws
- 1 x Resistor pack
- 1 x Quick start guide

IMPORTANT TO CONSIDER

When mounting a wireless device, a comprehensive radio survey should have been carried out to establish the location that provides the best coverage and optimum reach. Taking into consideration the building structure and materials, the survey identifies the wireless infrastructure required and product locations for optimum performance, identifying any factor that could prevent radio integrity. Avoid fixing or mounting the unit close to the

following:

- Equipment that utilises large electrical currents
- Large metal objects or structures
- Fluorescent lighting fittings
- Metal ceiling structures
- IT cabling.

Keep 2 meters minimum spacing between other wireless equipment in the area to avoid signal interference. EN54 approved environmental temperature range is -10°C to +55°C

UNBOXING

- When unboxing the output module you will find the unit and its lid.
- This comes with pre-formed mounting holes to drill out and mount the backbox.
- Securing screws are supplied for the lid.
- A resistor pack is supplied for the monitored load connection (10K Ω R EOL).

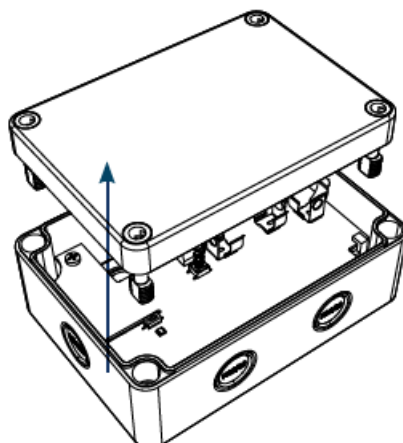


For more information, please refer to the user manual. Available on apollo-fire.co.uk

MOUNTING STEPS

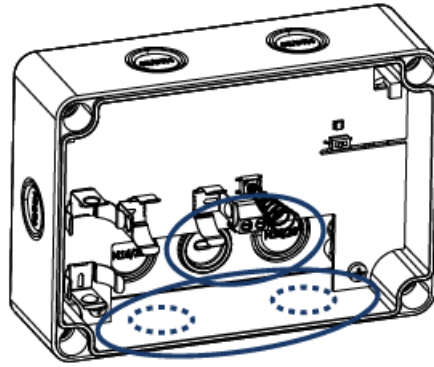
The Output Module is designed to meet IP65 rating, suitable for external mounting. Proceed as follows to complete the device installation.

- Remove the lid from the backbox, removing the screws on the corners.

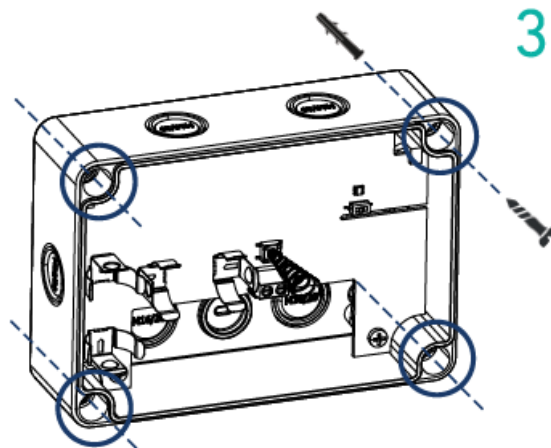


- Remove the appropriate knock-out on the underside or lower rear of the casing, install the M16/20 IP-rated gland.

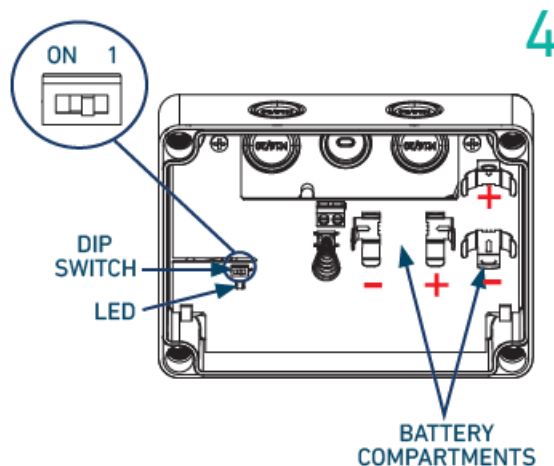
- **Note:** pay attention to avoid damages to the PCB, while removing the knock-out, or remove it before starting.



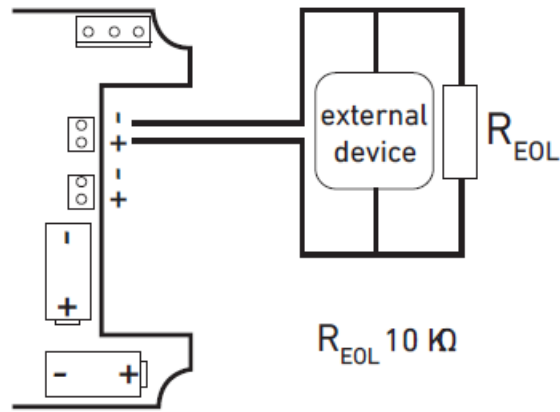
- To retain IP-rating, please ensure you use the outer holes on the casing.
- Using a pencil, mark through the outer holes on the desired surface you will attach the unit to.
- Using a suitable-sized drill bit (6 mm) drill the marked screw points on your chosen surface.
- Ensure you use the correct fixings for the type of surface you are mounting to.
- Screw the backbox to the desired surface using all fixing holes and appropriate-sized roundhead screws (not countersunk).



- Ensure the switch on the PCB is in position ON.
- Fit the 2x CR123A batteries ensuring you have checked they are the correct way round observing the polarity indications on the PCB.
- The LED will signal 4 times red.
- Move the switch on the PCB to position 1. The LED will blink few seconds green and then signal alternatively green/red 4 times.

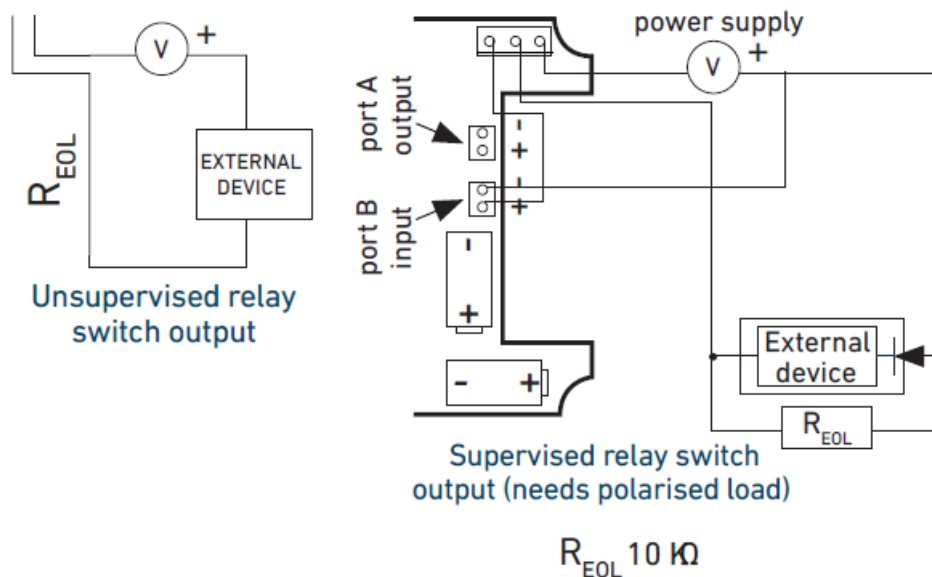


- WIRING EXAMPLE FOR 100MA/12 VDC OR 50 MA/24 VDC EXTERNAL DEVICE DRIVING CAPABILITY



- The 10KΩ EOL R resistor monitors whether the cable has been damaged or the connection is no longer available.
- If you fail to install these resistors correctly the device will not operate as intended.

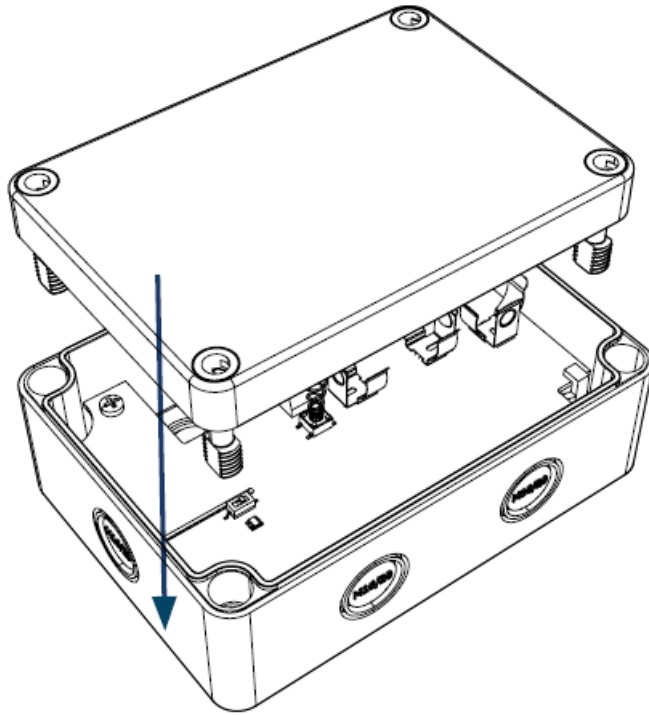
WIRING EXAMPLE FOR THE RELAY SWITCH OUTPUT



- Ensure the device connected to the unit is not drawing more than 2 A at 30V (no 220 VAC). Drawing too much current through the output relay or connecting mains voltage could possibly damage the unit and void the warranty.

Note: install a properly fire-rated cable (according to national code of practice) between the third-party device and the output module.

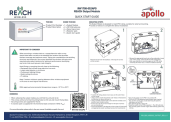
- Refit the lid to the backbox, using the supplied screws.



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Documents / Resources



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