

*innovative avionics*



**PR1-PL**  
**External lever for PR1-P**



***Installation and operating manual***

Revision# 1.1 11/5/2016

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### 1. Important notices and warnings

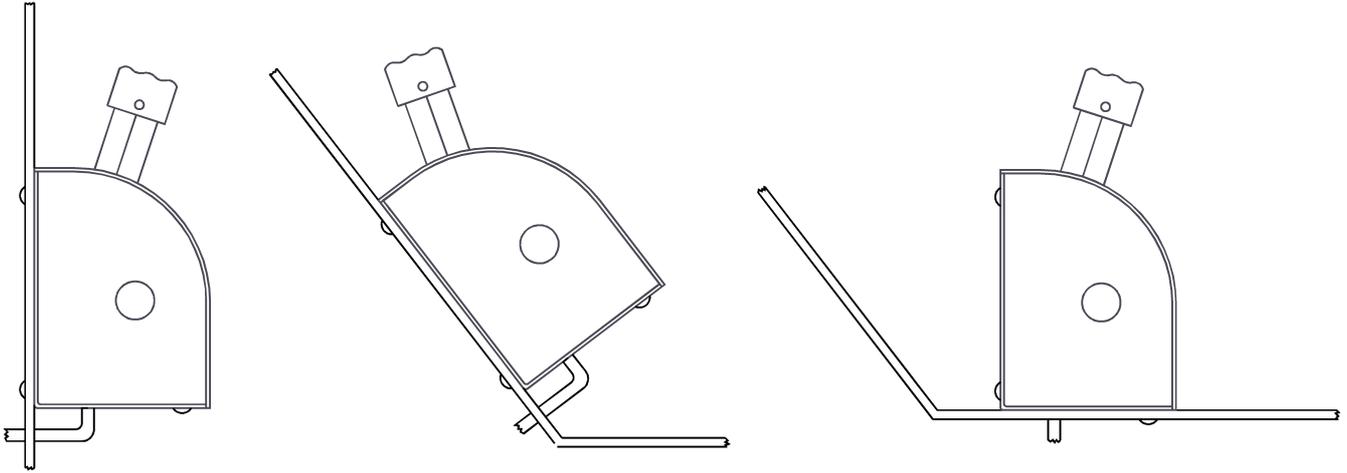
- Read entirely this manual before installing the instrument in your aircraft, and follow the installation and operating instructions described here.
- The pilot must understand the operation of this instrument prior to flight, and must not allow anyone to use it without knowing the operation.
- Keep this manual in the aircraft
- Use aeronautic cable for the wiring.

**If you do not agree with the notices above do not install this instrument in your aircraft, but return the product for a refund.**

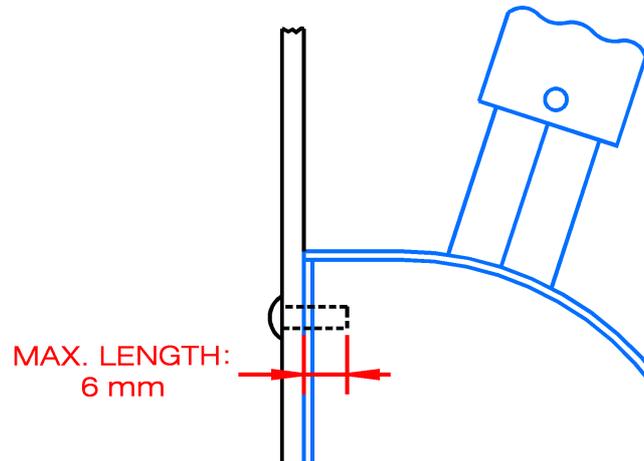
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## 2. Installation

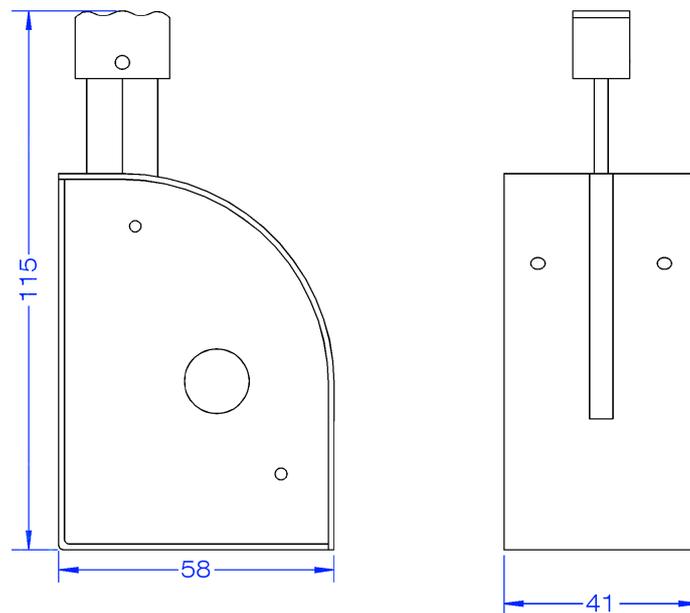
- The PR1-PL can be installed either by fixing the back or the bottom panel:



- Use the template included at the bottom of this manual to hole the panel's aircraft.  
- If your aircraft's panel thickness is 2mm or less you can use the screw furnished with the PR1-PL otherwise use M3 screw with adequate length; **remember to not enter with the screw thread more than 6mm inside the PR1-PL:**

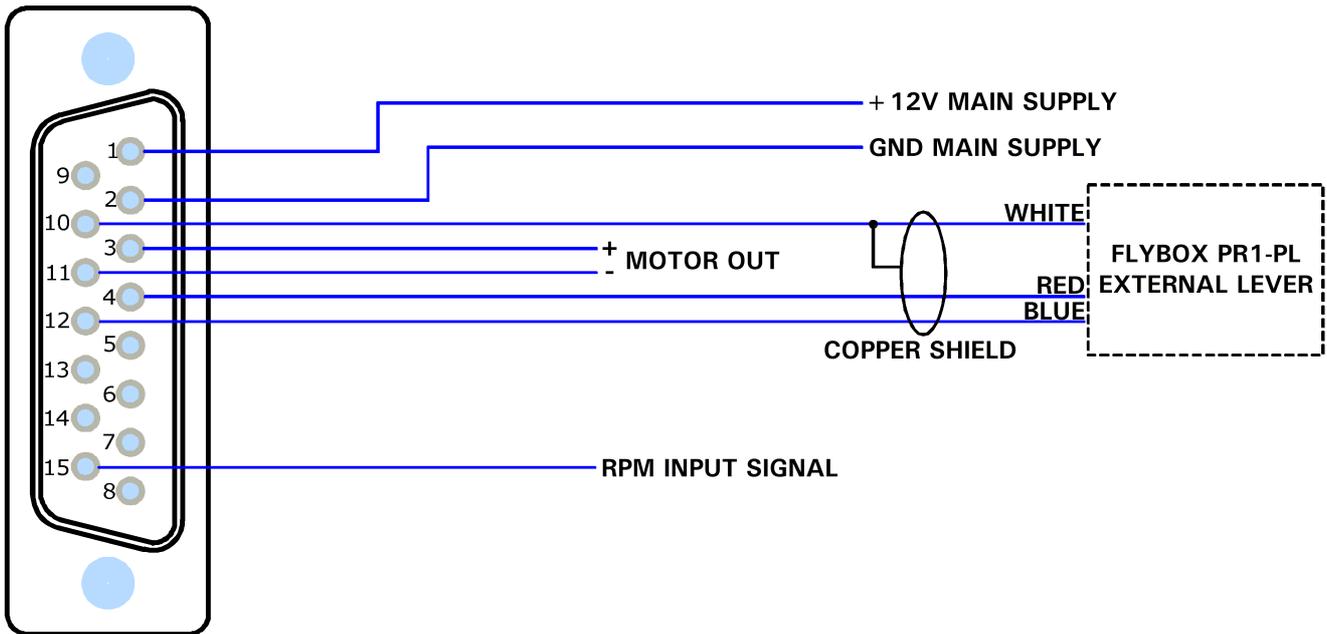


### 2.1 Dimensions



(All dimensions are in millimeters)

## 2.2 Wiring installation



**PR1-P CONNECTOR**  
(View from wiring side)

## 3. Panel indicators and commands

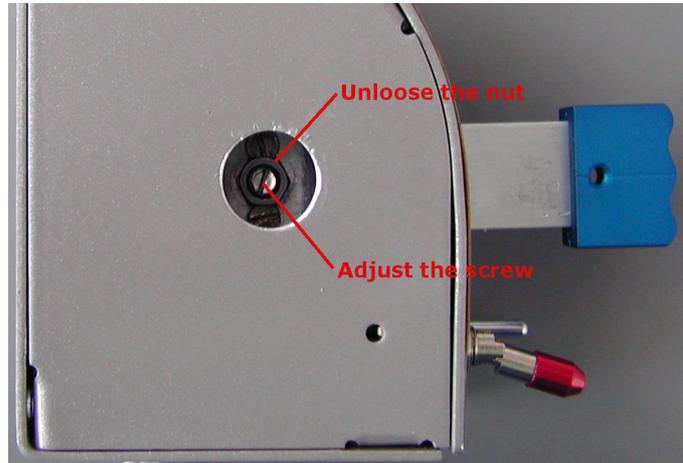


**NOTE:** Before using the lever it's required to calibrate it. Refer to chap.5 (Using an external potentiometer or the Flybox® lever Mod. PR1PL) of PR1-P manual for the calibration procedure.

#### 4. Lever hardness adjustment

It's possible to adjust the lever movement hardness in this way:

- Put the lever in the 4000 RPM position
- Remove with a screwdriver the plug on the left side
- Unloose the nut using the socket wrench furnished with the PR1-PL
- Turn lightly the screw:
  - clockwise to decrease the lever hardness
  - counterclockwise to increase the lever hardness
- Tighten again the nut to lock the mechanism at the desired lever hardness
- Put the plug on the panel



#### 5. Technical specifications

- Dimensions: 115 x 41 x 58 mm
- Weight: 180 g
- Operational temperature range: -20 ~ +70°C
- Humidity: 90% max

#### 6. Warranty

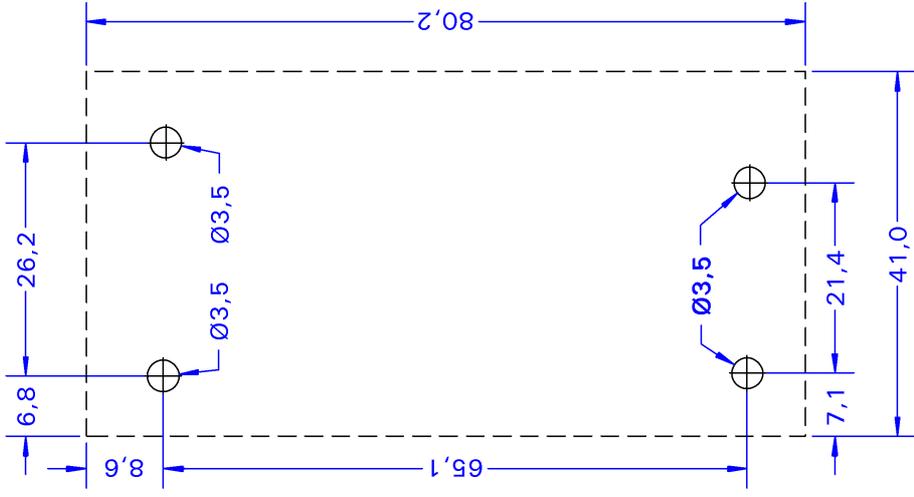
This product is warranted to be free from defects for a period of 12 months from the user invoice date. The warranty only covers manufacturer defects and shall not apply to a product that has been improperly installed, misused or incorrect maintenance, repaired or altered by non-qualified persons.

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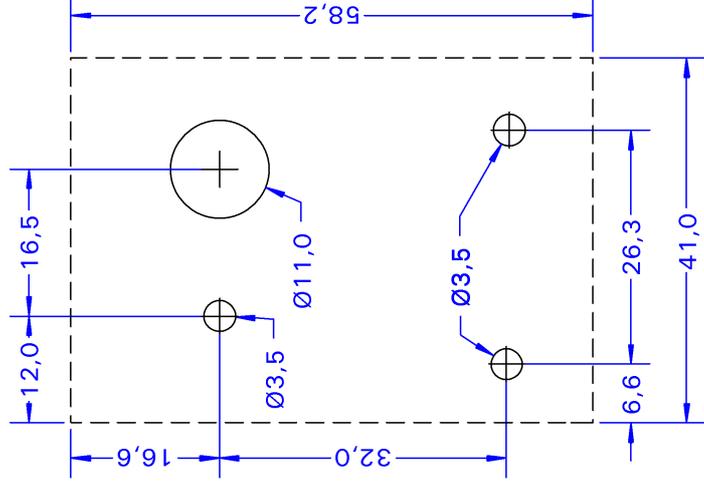
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TEMPLATE FOR BACKPANEL INSTALLATION



TEMPLATE FOR BOTTOM PANEL INSTALLATION



**NOTE: don't enter with the screw thread more than 6mm inside the panels**