EFIS737PRO2

This manual is intended for Flight Simulator use only and may not be used in any real world aviation application. The authors are not responsible for any errors or omissions.

FOREWORD

EFIS737PRO2 is a full scale replica of the EFIS selector located in the Boeing 737NG cockpit glareshield. The EFIS737PRO2 may be considered as an extension of the CPflight MCP737PRO1/2- MCP737EL and requires it to operate. EFIS737PRO2 is fully compatible with Prosim737, Project Magenta, PMDG737NGX, PMDG777, iFly737, LVLD767 and Xplane (x737).
Due to the continue evolution of flight simulation field we constantly update the compatibilities. Please verify the current state of the compatibility at our CPflight website.
Even if the EFI737PRO2 supports the mainly used FS add-on software, it is not possible to assure the full compatibility with all third part add-on. To know more about the compatibility with a specific add-on aircraft please refer to the latest information on the CPflight website on the product page.
The CPflight modules are produced to meet requirements from the hobby market. The use of our products in professional or commercial environments is not permitted without the approval of CPflight management; please contact us at info@cpflight.com if you need to exploit our products in these fields.
It is important to know that the hardware has not its own intelligence on board, it establishes an interface with the connected software; logics, operating modes and aircraft behavior are managed by the software itself.

Note: This manual contains the latest information at the time of drafting. Due to the continuous evolving of the product some features could be been modified. Eventual later information can be found at CPflight website www.cpflight.com

HARDWARE INSTALLATION

EFIS737PRO2 is designed for panel mounting. The panel cut-out dimension are indicated at the bottom of this manual. While arranging the glareshield keep enough space behind panels for cables and connectors. Use the supplied "U" clamp to fix the EFIS; do not extremely tighten the nuts as you may damage the panel.

SETTINGS AND CONNECTIONS

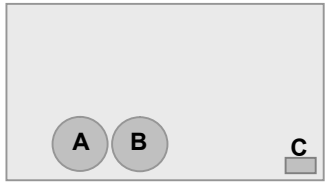

Figure 1

The EFIS737PRO2 can operate as left or right selector. Depending by the setting it have effect to the Captain or F/O displays and functions. To select left EFIS for Captain side insert the jumper "C" to the CP position; obviously you will insert the jumper to the F/O position to make it work as First Officer EFIS selector. The default setting of the jumper "C" is the Captain position; if you buy two EFIS selectors please pay attention to correctly set the jumper position because if both the EFIS are setted to the same position this can cause a communication conflict and block all the connected modules.
Sockets for EFIS connection are on the back of panel. EFIS is arranged for daisy-chain connection through the two sockets ("A" and "B"). EFI737PRO2 does not require external power supply since it is directly powered by the MCP (PRO, PRO2, EL).
EFIS737PRO2 does not require any software configuration; you may reconnect MCP power supply and start it up, the MCP will scan the line and will detect the EFIS selector/s.
EFIS737PRO2 is directly powered and drived by the MCP through the 5 pole cable (lenght 70 cm provided) and like all others CPflight modules has a second socket, to allow the connection of further devices, if you have other modules (for instance a second EFIS for the F/O side) connect it to the second socket of the EFIS and so on (daisy chain).
5 pole cable, parts for the mounting, bracket and wingnuts are provided.

Note: Switch-off and disconnect power supply from the MCP before connecting any other module.

INFORMATION NOTES

- Some functions are affected by aircraft settings (i.e. the "Data" key is useless if you do not have an active flight plan in the FMC/CDU). For more information about available commands see also the related information on the used software manual.
- EFIS selector has backlighting panel that is linked to the MCP backlight, so it will light up with the MCP backlight (see also the MCP737PRO manual).
- EFISPRO2 disposes of triple concentric devices for the MINS and BARO regulation:
  a) The RADIO/BARO and IN/HPA are two positions 60° index rotary switches (outer knobs) and mantain the settled position.
  b) The MINS and BARO regulation (middle knobs) are real as in the aircraft; they are R/L (rise/lower) regulation kind with spring return to the center. Different rise/decrease intervention is related on how much you would like to rotate the knob (fast slow function). A small rotation angle cause a slow rise/decrease (1 mb each 0,5 second) where a bigger rotation angle cause a fast rise/decrease (10 mb each 0,5 second).
  c) The RST/STD pushbuttons (inner buttons) have a separate shaft to guarantee a correct label orientation of the central pushbuttons regardless of the position of the other knobs.
- EFISPRO2 disposes of double concentric devices for the MODE and RANGE commutators:
  d) The MODE and RANGE commutators (outer knobs) are respectively 4 and 8 positions 30°index
  e) the TFC and CTR pushbuttons (inner buttons) have a separate shaft to guarantee a correct label orientation of the central pushbuttons regardless of the position of the other knobs.

OVERVIEW

- High resolution warm white backlighting frontplate.
- Custom MAP buttons with backlighting text
- 2 rotary encoders with push in switch for MINS and BARO adjustment
- RADIO/BARO and IN/HPA rotary selectors with dual concentric knobs
- Aluminum dust-coated knobs with printed symbols
- 2 lever switches with three positions for VOR/ADF selection.
- 4 positions rotary switch with push in for display mode selection
- 8 positions rotary switch with push in for ND range and TFC selection
- 2 round pushbuttons for FPV and METER selection
- 5 pole connection cable and fixing clamp provided
- MINS selector (outer knob 2 position)
- MINS selector (middle)
- MINS reset push button switch (RST)
- FPV (option)
- Lateral axis
- Vertical axis
- MTRS
- BAROmetric Selector (outer knob 2 positions – IN/HPA)
- BAROmetric Selector (middle)
- BAROmetric Standard switch (STD)
- VOR/ADF switch
- APP position
- VOR position
- MAP position
- PLAN position
- CTR MAP switch
- WXR map switch
- STA map switch
- WPT map switch
- ARPT map switch
- DATA map switch
- POS map switch
- TERR map switch

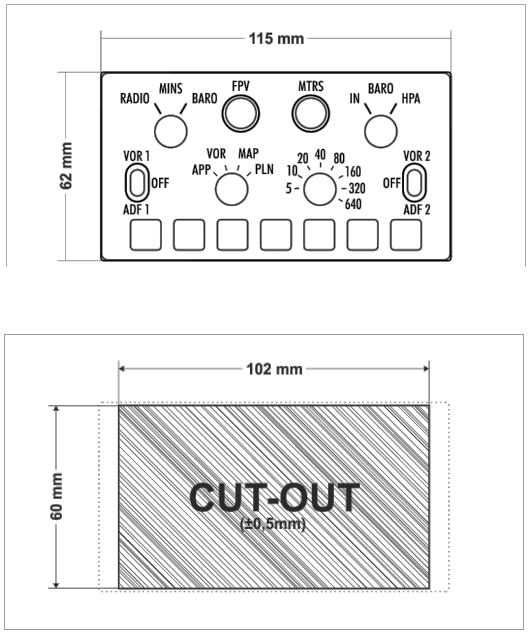

Figura 2 : Dimensions and panel cut-out

Web site: http://www.cpflight.com

This product shall not be treated as household waste. It shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment such as sales points and local collection points.
For more detailed information about recycling of this product, please contact your local city office, or your house hold waste disposal service.