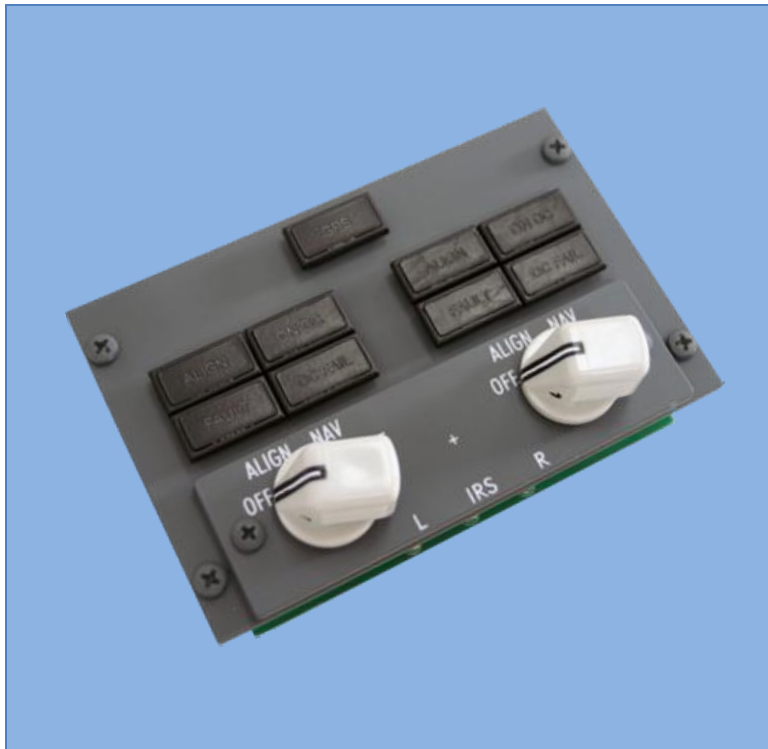


IRS Mode Selector Module
S737NG-AOH-M-AL-A12-1053

Datasheet - IRS Mode Selector Module V1.2 - Rev1.0.docx



Module Dimensions: (WxHxD) mm3	144 x 94 x 25 mm3 <i>Height of Knobs Not included</i>
Module Line:	Alpha
Backlight (12V):	Yes, Warm White
Backpanel:	Yes, Specific PCB
Hardware Interface: (See Chapter 1.2)	To be connected to a Control Board like SimCard Ethernet, IOCard USB, etc.
Knobs:	Realistic Injection Plastic Knobs
Plug Ready Module	Yes
Simulator Model:	Sim737NG
Scale:	1:1
Price (without VAT)	<i>Web: Shop</i>

www.sismo-soluciones.com

1 Compatibility

1.1 Software Compatibility

This module uses IDC connectors to interface with electronic I/O Boards, they cannot be connected directly to a Computer, it has to be though an electronic Board (see hardware compatibility). If the electronic board is a SimCard, then this module is compatible with the following Add-Ons:

iFly737			Prosim737			Project Magenta			PMDG 737NG			SimAvionics		
FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE
X	X	?	X	X	?	X	X	X	X	X	?	X	X	?

X	Fully compatible, scripts available in downloads sect.
X	Fully compatible, no scripts available (under development)
X	Compatible with some add-on limitations
?	Pending confirmation for the add-on company

FSX	Microsoft Flight Simulator X
P3D	Lockheed Martin Prepar3D
X-Plane	X-Plane

This module has been designed to be connected directly to the “Sismo AFT Baseplate V2” or higher. This baseplate is an option where cables or other elements are not necessary. If you want to use it in other configuration, just connect the flat ribbon cables following the indications of the “Wiring Schedule”.

1.2 Hardware Compatibility (I/O Boards)

SimCards Ethernet	IOCards	Phidgets	MIP737	Pokeys USB	Arduino
Yes (Recommended)	Yes	Yes	Yes	Yes	Yes

1.3 Module Backpanel (PCB) Compatibility

This datasheet is valid for the following module backpanels (PCB):

V1	IRS Ann V1	IRS Rotary V1					
Yes	Yes	Yes					

2 Abbreviations

PRM	Plug Ready Module
AFT	After Overhead

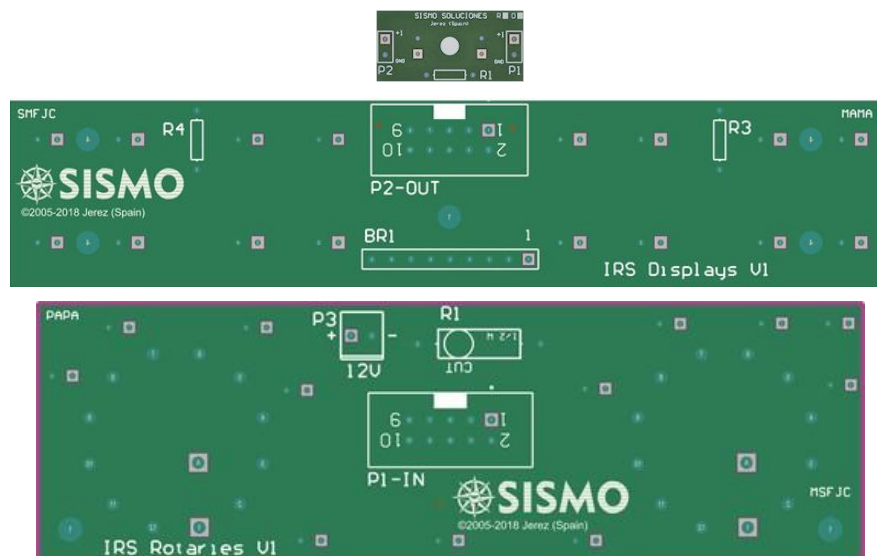
3 Customization

This module cannot be customized.

4 Parts included

- 1 IRS Mode Selector Module, fully assembled and ready to be installed in AFT.
- 2 Un. 10-pin flat ribbon cable (25cm length). For other lengths, please contact Sismo Soluciones.

5 Backpanel Connectors



6 Wiring Schedule

6.1 P1-IN

Function	State	P1-IN		State	Function
Rotary L OFF	ON	1	2	ON	Rotary L ALIGN
Rotary L NAV	ON	3	4	ON	Rotary L ATT
Rotary R OFF	ON	5	6	ON	Rotary R ALIGN
Rotary R NAV	ON	7	8	ON	Rotary R ATT
Not used		9	10	Common GND for Outputs pins 1 to 8	

6.2 P2-Out

Function	State	P2-OUT		State	Function
Annunciator L ALIGN	ON	1	2	ON	Annunciator L ON DC
Annunciator L FAULT	ON	3	4	ON	Annunciator L DC FAIL
Annunciator R ALIGN	ON	5	6	ON	Annunciator R ON DC
Annunciator R FAULT	ON	7	8	ON	Annunciator LR DC FAIL
Not used		9	10	Common GND for Outputs pins 1 to 8	

Note: Remark about the Output +5Vcc= ON / 0 Vcc = OFF

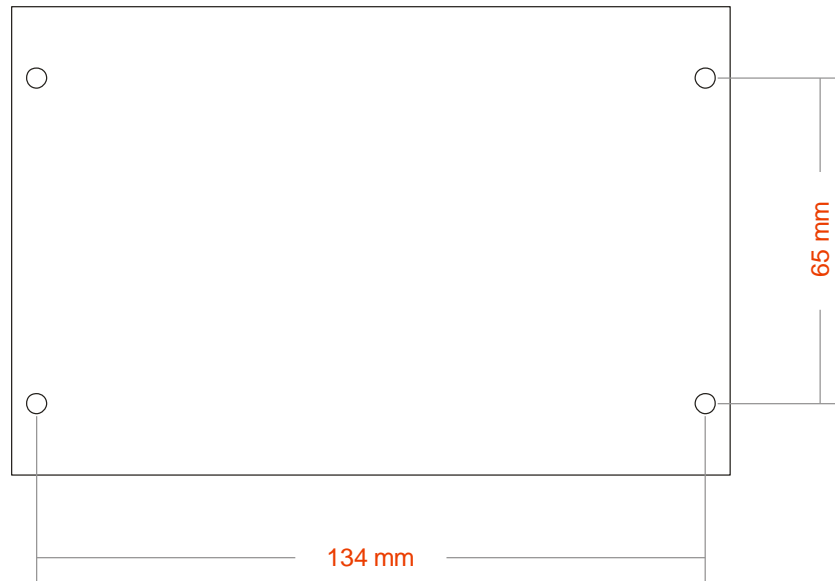
6.3 Other connectors

The module includes a single annunciator. It is the "GPS", that must be wired separately.

6.4 Backlight

12V – P3	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by "dimmer backlighting board" to have the dimming functionality available.

7 DZUS Position



8 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02	AFT Overhead Backpanel V2 Wiring Diagram	See the latest on our website

9 Pictures



End of Document