

Background and AFDS Flood Light Control Module

S737NG-MIP-M-AL-A33-0232

Datasheet - BALC Module V3.3 - Rev1.0.docx

	Module Dimensions: (WxHxD) mm3	147 x 66 x 16 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)	Web: Shop

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 through 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 “CAIP Electronic Backpanel V3.6” or higher. This backpanel is an option where cables or other elements are not necessary. If you want to use it in another configuration, just connect the flat ribbon cables following the indications on the “Wiring Schedule”.

1.2 Hardware Compatibility (I/O Boards)

SimCards Ethernet	IOCards	Phidgets	MIP737	Pokeys USB	Arduino
Yes (Recommended)	Yes	Yes	Yes	No Information	Yes

1.3 Module Backpanel (PCB) Compatibility

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

V1	V2	V3	V3.2	V3.5			
No	No	No	No	Yes			

2 Abbreviations

PRM	Plug Ready Module
MIP	Main Instrument Panel
CAIP	Captain Instrument Panel
FOIP	First Officer Instrument Panel
CEIP	Center Instrument Panel
BALC	Background and AFDS Flood Light Control

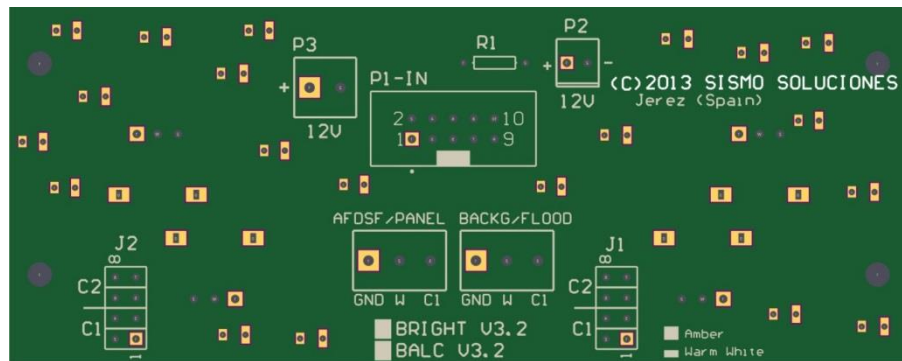
3 Customization

There are no customizations for this product.

4 Parts included

- 1 BALC Module, fully assembled and ready to be installed on the MIP.
- 1 un. 10 pins flat ribbon cable (length 25cm). For other lengths, please contact Sismo.
- 3 painted screws M4x12 to fix the module to THE MIP casing (Fully compatible with the MIP casing of Sismo.)
- 1 Female connector for backlight

5 Backpanel Connectors



6 Wiring Schedule

6.1 Pot

Function	State	P1-IN		State	Function
BACKGROUND Pot WIPER	ON	1	2	ON	AFDS Pot WIPER
BACKGROUND Pot Terminal 1	ON	3	4	ON	AFDS Pot Terminal 1
BACKGROUND Pot Terminal 1	ON	5	6	ON	AFDS Pot Terminal 1
BACKGROUND Pot Terminal 2	ON	7	8	ON	AFDS Pot Terminal 2
BACKGROUND Pot Terminal 2	ON	9	10	ON	AFDS Pot Terminal 2

6.2 Pot for free wiring

BACKG/FLOOD	
1	BACKGROUND Pot Terminal 1
2	BACKGROUND Pot WIPER
3	BACKGROUND Pot Terminal 2

AFDS/PANEL	
1	AFDS Pot Terminal 1
2	AFDS Pot WIPER
3	AFDS Pot Terminal 2

Note: These connectors can be used instead of P1-IN, but do not use both.

6.3 Jumpers

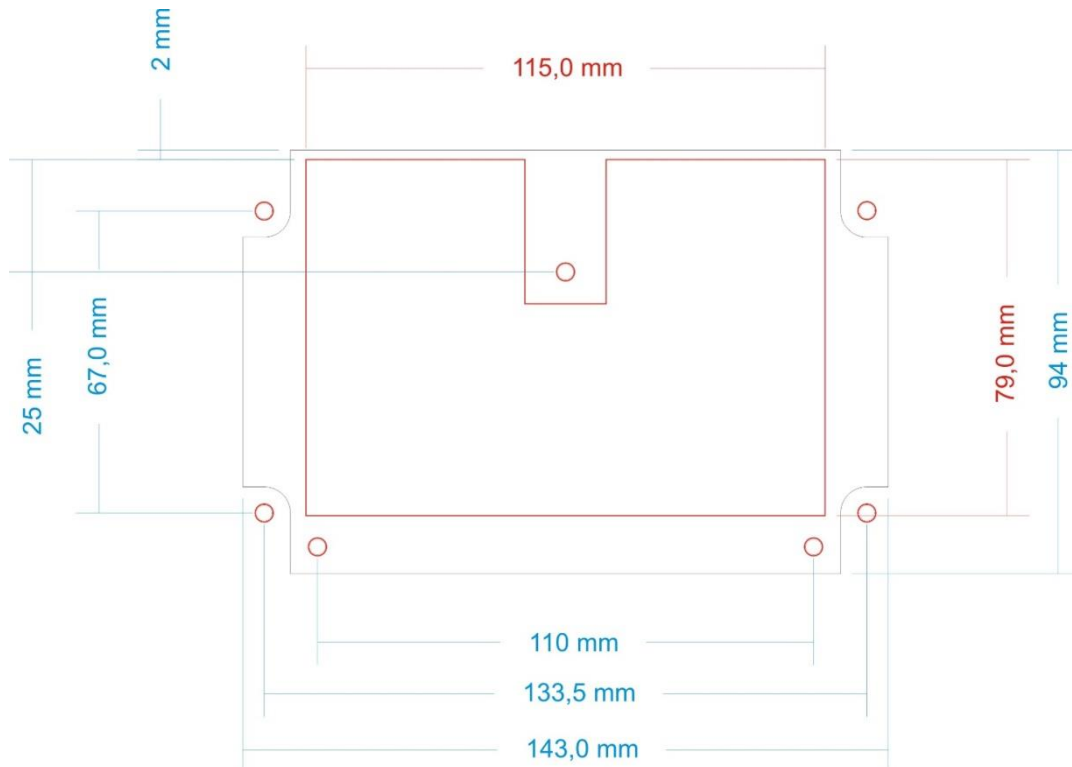
The two jumpers on C1 side must be plugged in. In case that the rotation of the pot is inversed, please remove the jumpers from C1 position and place them in C2 position.

- J1 manages the BACKGROUND.
- J2 manages the AFDS.

6.4 Backlight

12V-P2-P3	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by a “dimmer backlighting board” to have the dimming functionality available.

7 Dzus and Screws Position



8 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02	User Manual – MIP Ethernet	See the latest on our website
03	User Manual – Hookup & Wiring Guideline	See the latest on our website
04	Wiring Layout – CAIP, FOIP, CEIP	See the latest on our website

9 Pictures

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