



Opencockpits



Manual Fire Cargo B737 Panel IDC.

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Introduction:

B737 Fire Cargo Panel with integrated backlight technology BKI. Made from a 6mm thick piece, with painted finish and professional engraving.

This panel is designed to connect it directly with an I/O card like the Master or PCB Pedestal.

The panel has operative the following components:

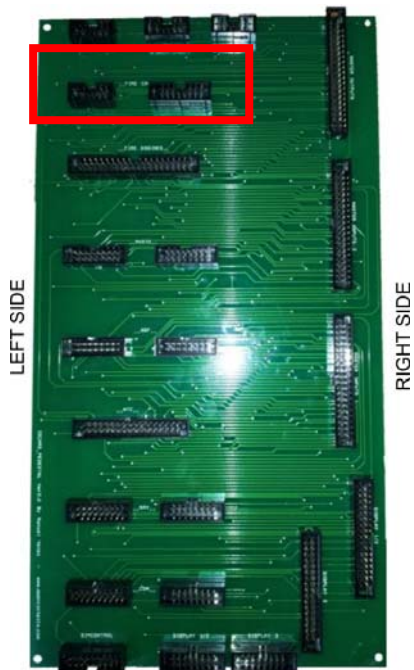
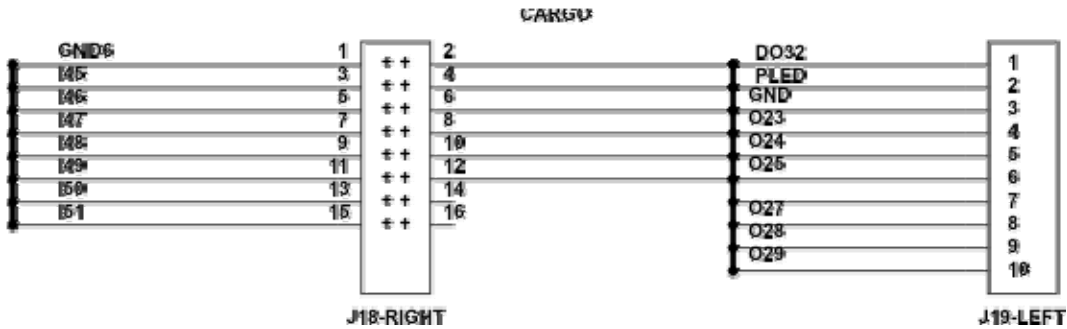
- DET SELEC y TEST buttons.
- Korrays MON-OFF of ARM & DISCH (with guard).
- Indicators for extinguishers and detector fault.

BKI Technology:

The BKI technology is similar to the original used in the original Boeing panels, it is embedded within the backlight panels, increasing the quality of the backlight and a significant drop in energy consumption and to avoid light pollution around the panels.

Wiring Fire Cargo:

FIRE CARGO B737 IDC connectors can be plugged to any I/O card and to Pedestal PCB using 16 contacts IDC connectors:



Description of connectors Fire cargo:

Fire Cargo panel is connected to PCB Pedestal 2 (Master nº2) when a FIRE ENGINES panel is present on PCB Pedestal 1 because they have common inputs and are incompatibles in the same PCB or Master.

J18 CONNECTOR RIGHT			J19 CONNECTOR LEFT		
I/O	PIN	FUNCTION	I/O	PIN	FUNCTION
GND6	1	GND INPUTS I45-I51	DO32	1	Negative for backlight.
I45	3	TEST BUTTON	PLED	2	Positive for backlight
I46	5	DET SELECT B AFT	GND	3	GND common outputs.
I47	7	DET SELECT NORM AFT	O23	4	"DISCH" KORRY AMBER LED
I48	9	DET SELECT A AFT	O24	5	"BAR" KORRY WHITE LED
I49	11	DET SELECT B FWD	O25	6	"AFT" KORRY RED LED
I50	13	DET SELECT NORM FWD	O26	7	"ARMED" AFT WHITE LED
I51	15	DET SELECT A FWD	O27	8	"FWD" KORRY RED LED
GND7	2	GND INPUTS I54-I56	O28	9	"ARMED" FWD WHITE LED
I54	4	DISCH KORRY SWITCH	O29	10	"DETECTOR FAULT" INDICATOR
I55	6	ARM AFT KORRY SWITCH	It takes 2.5 volts to 2.9 volts. ¡ActiveWarning: may burn more voltage backlight!		
I56	8	ARM FWD KORRY SWITCH			
O30	10	"EXT FWD" GREEN LED			
O31	12	"EXT AFT" GREEN LED			

The USBDimcontrol card is recommended. It is also recommended to use 3 volt power for the backlight.

Declaration of inputs and outputs panel Fire Cargo:

To declare variables of inputs and outputs must use the following format (the list belongs to the pedestal's definition file of Opencockpits pedestal).

// OUTPUTS FIRE CARGO

Var 276, name FCDISCL, Link IOCARD_OUT, DEVICE XX, Output 87 // FIRE CARGO DISCHARGE KORRY

Var 278, name FCDISCBARL, Link IOCARD_OUT, DEVICE XX, Output 88 // FIRE CARGO DISCHARGE BAR KORRY

Var 280, name FCAFTL, Link IOCARD_OUT, DEVICE XX, Output 89 // FIRE CARGO AFT KORRY

Var 282, name FCAFTARML, Link IOCARD_OUT, DEVICE XX, Output 90 // FIRE CARGO AFT ARMED KORRY

Var 284, name FCFWDL, Link IOCARD_OUT, DEVICE XX, Output 91 // FIRE CARGO FWD KORRY

Var 286, name FCFWDARML, Link IOCARD_OUT, DEVICE XX, Output 92 // FIRE CARGO FWD ARMED KORRY

Var 288, name FCDETFault, Link IOCARD_OUT, DEVICE XX, Output 93 // FIRE CARGO DETECTOR FAULT KORRY

Var 290, name FCEXTFWDL, Link IOCARD_OUT, DEVICE XX, Output 94 // FIRE CARGO EXT FWD KORRY

Var 292, name FCEXTAFTL, Link IOCARD_OUT, DEVICE XX, Output 95 // FIRE CARGO EXT AFT KORRY

// INPUTS FIRE CARGO

Var 536, name R_FDETFa, Link IOCARD_SW, DEVICE XX, Input 123 // FIRE CARGO DET SELECT FWD A ROTARY SWITCH

Var 538, name R_FDETFNORM, Link IOCARD_SW, DEVICE XX, Input 122 // FIRE CARGO DET SELECT FWD NORM ROTARY SWITCH
Var 540, name R_FDETF B, Link IOCARD_SW, DEVICE XX, Input 121 // FIRE CARGO DET SELECT FWD B ROTARY SWITCH
Var 542, name R_FDETA A, Link IOCARD_SW, DEVICE XX, Input 120 // FIRE CARGO DET SELECT AFT A ROTARY SWITCH
Var 544, name R_FDETA NORM, Link IOCARD_SW, DEVICE XX, Input 119 // FIRE CARGO DET SELECT AFT NORM ROTARY SWITCH
Var 546, name R_FDETA B, Link IOCARD_SW, DEVICE XX, Input 118 // FIRE CARGO DET SELECT AFT B ROTARY SWITCH
Var 548, name S_FARMF, Link IOCARD_SW, DEVICE XX, Input 128 // FIRE CARGO FWD ARMED KORRY SWITCH
Var 550, name S_FARMA, Link IOCARD_SW, DEVICE XX, Input 127 // FIRE CARGO AFT ARMED KORRY SWITCH
Var 552, name S_FTEST, Link IOCARD_SW, DEVICE XX, Input 117 // FIRE CARGO TEST SWITCH
Var 554, name S_FDISCH, Link IOCARD_SW, DEVICE XX, Input 126 // FIRE CARGO DISCHARGE KORRY SWITCH

With this we end this manual, we invite you to read the manuals for the other elements of Opencockpits and SIOC software and we thank you for trusting us.

Links of interest:

Customer Support Zone:

<http://www.opencockpits.com/catalog/info/>