



Opencockpits



Manual Rudder Trim B737 Panel IDC.

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Introduction:

B737 Rudder Trim panel made from a 8mm sandwich piece, with painted finish and professional engraving.

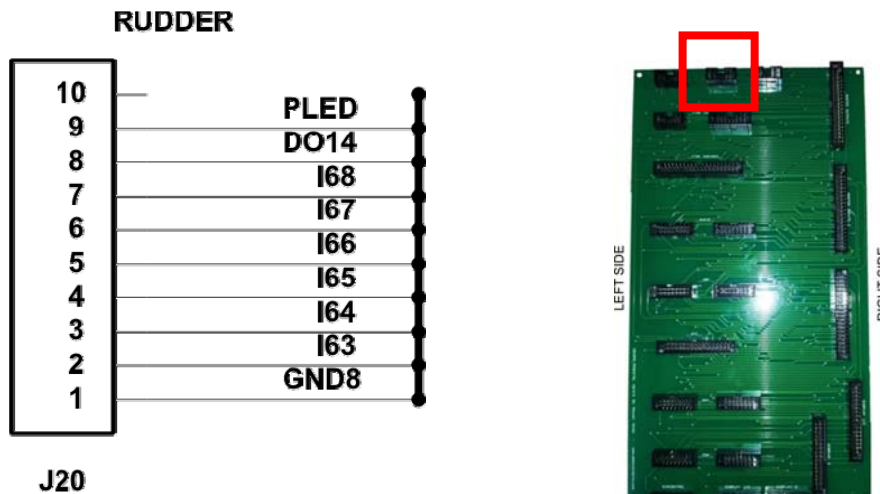
This panel is designed to connect it directly with an I/O card like the Master or PCB Pedestal.

The panel has operative the following components:

- High quality encoder (without autoreturn to center).
- Switches MON-OFF-MON.
- Servo motor.
- Backlight.

Wiring Rudder Trim:

Rudder Trim B737 IDC connector can be plugged to any I/O card and to Pedestal PCB using 10 contacts IDC connector:



Description of connectors Rudder Trim:

Rudder Trim panel is connected to PCB Pedestal 1 (Master n°1) when a Stab Trim panel is present on pcb pedestal 2 because they are incompatible in the same card (they have common inputs).

J19 CONNECTOR LEFT		
I/O	PIN	FUNCTION
GND8	1	Negative comon for Inputs
I63	2	AILERON LEFT WING UP
I64	3	AILERON RIGHT WING UP
I65	4	AILERON LEFT WING DOWN
I66	5	AILERON RIGHT WING DOWN
I67	6	ENCODER INPUT 1
I68	7	ENCODER INPUT 2
DO14	8	Negative for backlight.
PLED	9	Positive for backlight. It takes 2.5 volts to 2.9 volts. ¡ActiveWarning: may burn more voltage backlight!
	10	NC

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

Declaration of inputs and outputs:

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

```
// RUDDER TRIM
```

```
Var 378, name E_RUDDER, Link IOCARD_ENCODER, DEVICE XX, Input 67, Aceleration 1, Type 2 // RUDDER TRIM ENCODER
```

```
//RUDDER TRIM
```

```
Var 564, name S_RDAILUL, Link IOCARD_SW, DEVICE XX, Input 63 // RUDDER TRIM AILERON UP LEFT SWITCH
```

```
Var 566, name S_RDAILUR, Link IOCARD_SW, DEVICE XX, Input 64 // RUDDER TRIM AILERON UP RIGHT SWITCH
```

```
Var 568, name S_RDAILDL, Link IOCARD_SW, DEVICE XX, Input 65 // RUDDER TRIM AILERON DOWN LEFT SWITCH
```

```
Var 570, name S_RDAILDR, Link IOCARD_SW, DEVICE XX, Input 66 // RUDDER TRIM AILERON DOWN RIGHT SWITCH
```

```
// SERVO
```

```
Var 582, name SERVO_RUDDER, Link USB_SERVOS, Device YY, Output 1, PosL 150, PosC 512, PosR 1023, Type 1
```

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/>