



## Comparison between remote control systems

G2B



G4



Mainly differences between these two system  
*The two systems are not interchangeable*

# Comparison table G2B and G4

G2B Mini PCU	G4 Executive PCU
<p><b>Transmitter - PCU</b></p> <ul style="list-style-type: none"> <li>▪ 6 levers Adjustable on 8 proportional channels</li> <li>▪ 8 proportional channels Proportional channels suitable for levers potentiometers or switches</li> <li>▪ 20 on/off inputs for switches and push buttons</li> <li>▪ Switches The type if the switches is customizable up to 10 switches</li> <li>▪ Display LCD or LED feedback can be added to the receiver (two ways radio module)</li> <li>▪ From 1 up to 5 Micro levels (Turtle)</li> <li>▪ Operability with radio control or cable control, using the cable the radio module is automatically turned off</li> </ul>	<p><b>Transmitter - PCU</b></p> <ul style="list-style-type: none"> <li>• 4 lever Fixed assignment of the proportional channels and not modifiable</li> <li>• 6 proportional channels Fixed assignment , 4 active in mode 1 and 2 active in mode 2 4 on/off commands, the levers become as push button in mode 2</li> <li>• No switch Is not possible add the switches on the PCU</li> <li>• No display, radio module only one way</li> <li>• 1 Micro level (Turtle)</li> <li>• Operability only with radio control</li> </ul>
<p><b>Receiver – UC</b></p> <ul style="list-style-type: none"> <li>▪ 8 proportional outputs</li> <li>▪ Assignment of maneuvers/outputs can be set with SW tool The proportional outputs can be controlled by potentiometers or switches</li> <li>▪ 14 on/off outputs Assignment switches/output can be set with SW tool</li> <li>▪ Proportional maneuvers can be set with programming cable Reverse direction of the proportional outputs, start and stop values of proportional functions, setting of the first micro level. Acceleration deceleration ramps, off delay DV.</li> </ul>	<p><b>Receiver – UC</b></p> <ul style="list-style-type: none"> <li>• 6 proportional outputs 4 activated only in Mode 1 and 2 activated only in Mode 2</li> <li>• Assignment of maneuvers/outputs fixed the software does not permit to change the assignment of the maneuvers/output (speed adjustment is allowed).</li> <li>• 6 on/off outputs Assignment (mode2) levers/outputs not adjustable</li> <li>• Proportional maneuvers can be set without cable Reverse direction of the proportional outputs, start and stop values of proportional functions Reduced possibilities of customization software.</li> </ul>
<p><b>Coils on the Valve block</b></p> <ul style="list-style-type: none"> <li>- PWM</li> <li>- Danfoss - ratziometric</li> </ul>	<p><b>Coils on the Valve block</b></p> <ul style="list-style-type: none"> <li>- PWM</li> </ul>

Transmitter  
Mini PCU G2B



Receiver  
UC G2B

2010 Danfoss / 3010 PWM



Transmitter  
PCU Executive G4



Receiver  
UC G4

3100 PWM



# Availability of proportional channels

## G2B

### Proportional channels available on the PCU (transmitter)

n° 8 proportional channels:  
6 channels can be associated to the  
6 levers  
2 available channels

All the channels can be associated to  
a lever, potentiometer or switch

### Proportional output on the CU (receiver)

8 Proportional outputs

## G4 Executive

### Proportional channels available on the PCU (transmitter)

n° 6 Proportional channels:  
4 channels associated to the 4 levers  
in Mode 1  
2 channels (5°/6°) associated to  
levers 1 and 2 in Mode 2  
The proportional channels are fix  
associated and not modifiable.

### Proportional outputs on the CU (receiver)

6 Proportional outputs

# Availability of Inputs/outputs

## G2B

### On/Off Inputs available on the PCU (transmitter)

N°20 + 8 Inputs ON/OFF  
N°20 available on the PCU for push buttons and switches  
N°8 in case of LCD display with integrated keyboard

### On/Off outputs available on the CU (receiver)

N°14 On/Off outputs configurable

## G4 Executive

### On/Off Input available on the PCU (transmitter)

N°6 input ON/OFF  
Horn button  
Emergency stop  
4 Inputs available only in Mode  
“Fn” switch must be activated

### On/Off outputs available on the CU (receiver)

N°6 On/Off  
Activated only in Mode2 (Fn switch activated)

# Feedback - Display

## G2B



5 models of  
display  
Available

Two ways  
communication



## G4 Executive

No display

One way communication



# Other differences

## G2B

### **Can be used as cable control**

*When cable is connected, the radio communication is turned automatically off*

### **Up to 5 Micro levels (Turtle)**

#### **Setting (via cable only):**

*Reverse direction of prop. Outputs*

*Start and stop values of prop outputs*

*Acceleration deceleration ramps*

*Delay off for DV*

**Different types of switch can be mounted on the PCU (transmitter)**

## G4 Executive

### **Can be used only with radio**

#### **1 Micro level (turtle)**

#### **Setting (via radio only):**

*Reverse direction of prop. Outputs*

*Start and stop values of prop outputs*

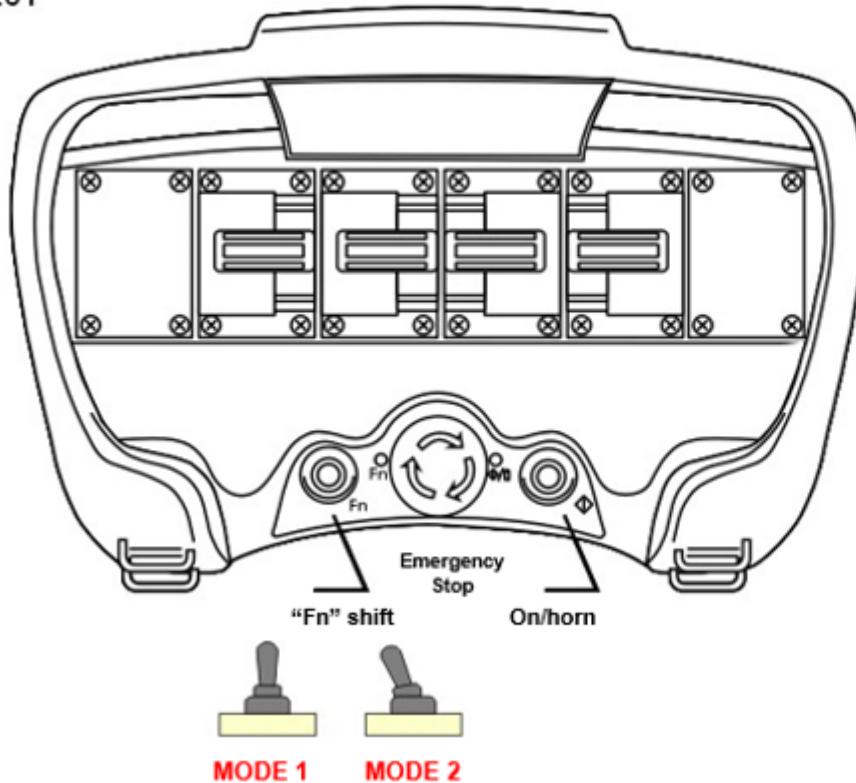
**No additional switches can be mounted on the PCU (transmitter)**

**Limited customization possibilities, reduced numbers of command on the firmware.**

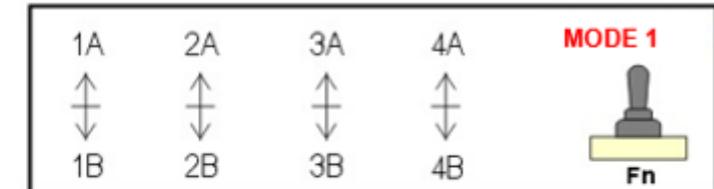
# Maneuvers assignment on G4 executive

## PCU Executive

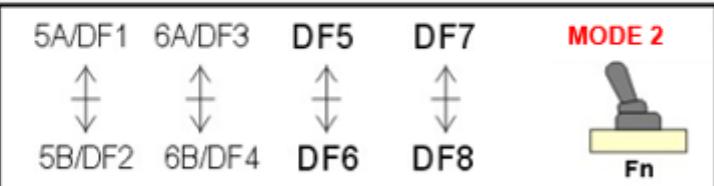
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Proportional commands and on/off



Proportional commands and on/off



### Revision History

Rev	Data	Description	by
100	22/05/15	First release	Gp
101	22/05/15	Modifica logo	Gp