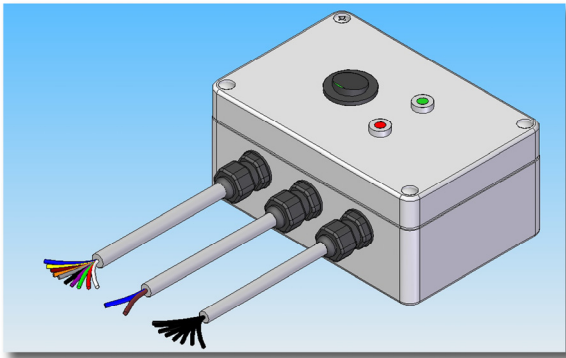


LetUgo Demo Box

Assembly Instructions

2012.07.13



A trigger event can be generated by the LetUgo Demo Box in office environment (in other words, the arrival and the departure of a vehicle can be modeled). The two position switch can be used to raise the trigger signal. The red and green LEDs can be referred as a traffic light: the red LED will illuminate continuously by default, while the green one will flash once when an "open" command arrives from the LetUgo.

Connect the cables inside the box according to the connection diagram below. Make sure no device is under voltage during the assembly.

CAMERA		CONNECTIONS		USER	
1	+12Vdc		1	+12Vdc	
2	GND		2	GND	
3	Opto_out_G (-) ²		3	Relay_NC	
4	Opto_out_S (+) ²		4	Relay_NO	
5	Opto_in_S (+) ¹		5	Relay-COM	
6	Opto_in_G (-) ¹		6	Opto_In_S (+)	
7	NC (no connect)		7	Opto_In_G (-)	
8	Serial_RX ³		8	Serial_Rx	
9	Serial_TX ³		9	Serial_Tx	
10	Serial_GND ³		10	Serial_GND	

- 1. For trigger input
- 2. For trigger output
- 3. General-purpose serial port

LetUgo Demo Box

Input Power	✓ 12V dc + 5% ✓ Reverse polarity protected ✓ Overvoltage, overcurrent protection fuse (T 1.5A) ✓ Transient protection
Communication Interface	✓ Interface points for communication: RX, TX, GND ✓ Transient protection
Input	✓ Optocoupler interface ✓ Can be configured by jumpers ✓ 'Dry ' or 'Contact' ✓ Dry: min. 5mA...max. 15mA (input resistance: 1Kohm)
Output	✓ Galvanic isolated ✓ 1-pole relay output ✓ Status LED' on the box: GREEN: relay ON RED: relay OFF ✓ COM, NO (Normal Open), NC (Normal Close) outputs ✓ 2A, 48Vac/24Vdc ✓ Min. 10⁵ switching cycles
On board status LED's	✓ Green – Power ✓ Red – Relay ON ✓ Yellow – Optocoupler is active
Manual trigger	✓ With two position switch with LED's

Box	✓ Polycarbonate
Cable outlets	✓ PG7 cable glands (camera, input power, user)
Cable thickness	✓ 3.5 mm – 6.5 mm
Mechanical dimensions	✓ 120mm x 80 mm (+ PG7 max. 20mm) x 55 mm
Temperature range	✓ -40C ...+80C

ARH Inc.

1123 Budapest, Alkotás utca 41. Hungary
Phone: +36 1 201 9650 • Fax: +36 1 201 9651
www.arhungary.hu • E-mail: moreinfo@arh.hu