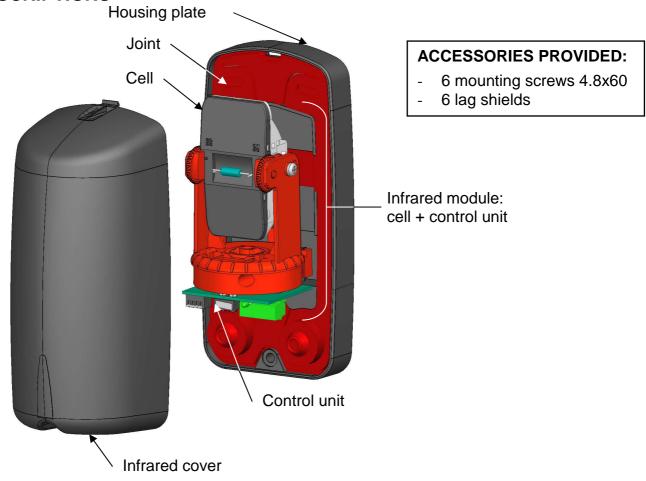


- FR BARRIERE A INFRAROUGE ACTIF UNIRIS II 50
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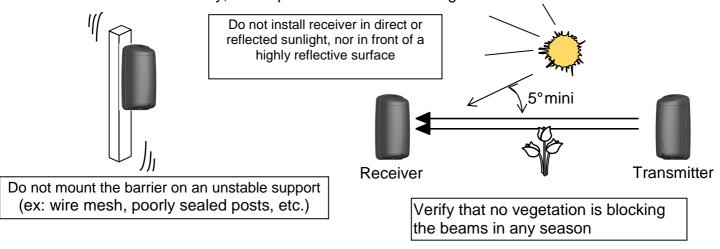
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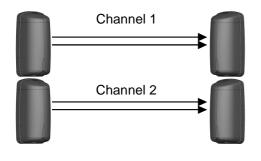
1 DESCRIPTIONS



Precautions regarding installation

To install the barriers correctly, it is important to follow certain guidelines.





When the barriers are stacked, make sure they are configured with different channels.

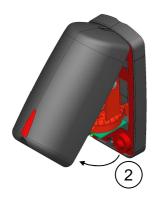
SORHEA

2 INSTALLATION AND WIRING

Removal/Reinstallation of the infrared cover

Removal:

- 1. Loosen the screw fastening the cover
- 2. Remove infrared cover.



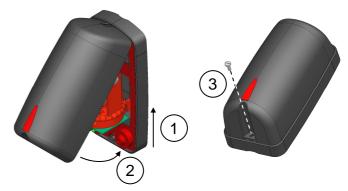


Reinstallation:

 Insert hook of infrared cover into the plate, place infrared cover so that the hook is correctly positioned.

UNIRIS II 50

- 2. Close infrared cover on the plate.
- 3. Tighten fastening screw of infrared cover.



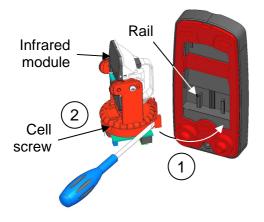
Removal/Reinstallation of the infrared module

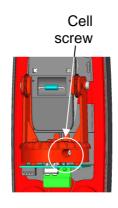
Removal:

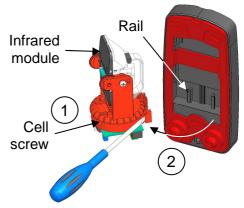
- 1. Loosen cell screw.
- 2. Unfasten the module from the rail by levering it up with the help of a flat screw driver.

Reinstallation:

- 1. Insert the infrared module on the left part of the rail, then use a flat screwdriver to help fasten it onto the rail.
- 2. Tighten cell screw.

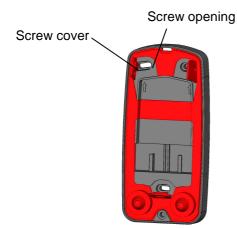


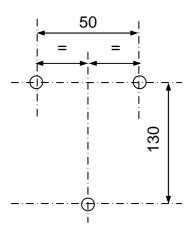




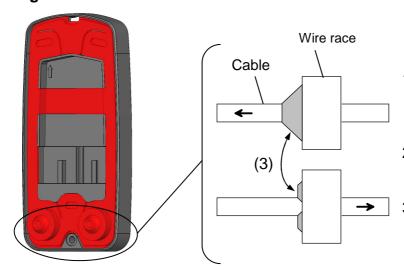
Wall mounting

For wall mounted installations, use the provided screws and lag shields. Drill 3 holes and install the 3 lag shields using the template below.





Cable routing in the barrier



- 1. Break the hole and insert the cable into the wire race, leaving some slack.
- 2. Wire the column.
- 3. Bring out the cable as indicated to insure proper tightness.

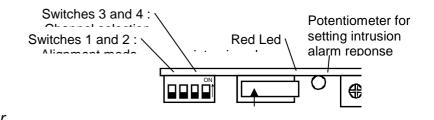
Wiring the UNIRIS II 50



Wire the barrier after removal of the infrared module.

Receiver circuit board connector (RX)

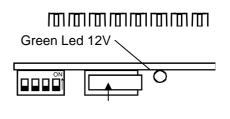
Terminal 1	+ Heating *	
Terminal 2	- Heating *	
Terminal 3	+ Power supply	
Terminal 4	 Power supply 	
Terminal 5	Tamper	
Terminal 6	Tamper	
Terminal 7	Intrusion relay NO	
Terminal 8	Intrusion relay COM	



Transmitter (TX) Circuit Board Connector

Terminal 1	+ Heating *	
Terminal 2	- Heating *	
Terminal 3	+ Power supply	
Terminal 4	- Power supply	
Terminal 5	Tamper	
Terminal 6	Tamper	

^{*} not wired for NH models



لمالمالمالمالمالم

Maximum cable length

		12V Electronics		12V Heating			
Ø wire (mm)	Wire section (mm²)	Т	R	T+R	T	R	T+R
0,6	0,3	750	600	300	120	120	60
0,9	0,6	1600	1300	800	280	280	140
1,4	1,5	-	ı	1600	600	600	300
1,8	2.5	-	ı	ı	1000	1000	500

Nota : When using the same cable to supply power to several components, the indicated distances are divided by the number of connected components.

When using several wires with the same section in parallel by polarity, the indicated distances are multiplied by the number of connected wires.

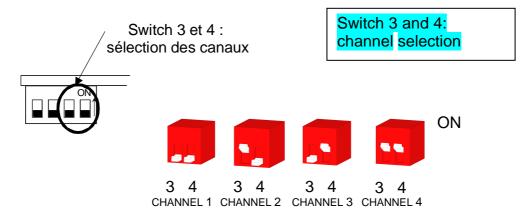
3 CHANNEL SELECTION

To prevent interference by one barrier with another on the same site, barriers are equipped with four selectable frequencies (channels).

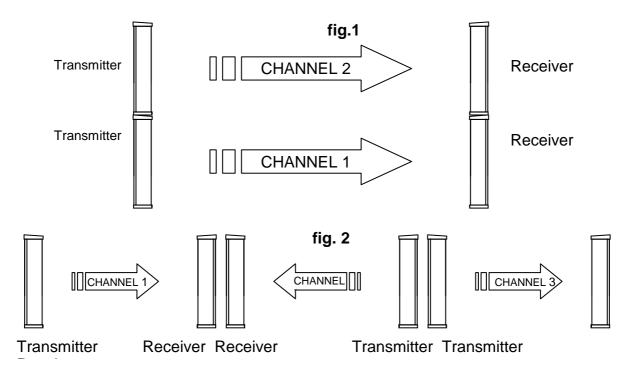
The receiver and its associated transmitter must be configured with the same channel number. This configuration is performed by using switches 3 & 4 on the control unit.



The channel is confirmed by the receiver and the transmitter when the barrier's power is turned on. (Once the barrier's power is turned on, the channel selection switches have no effect when operated.)



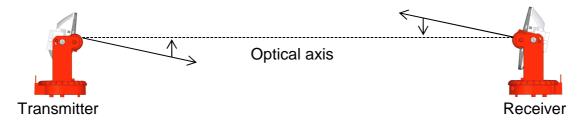
When barriers are stacked (fig.1) or installed along the same line (fig. 2), select a different channel for each barrier.



4 ALIGNMENT AND ADJUSTMENT

The alignment is comprised of two phases: the first is comprised of an optical alignment; the second is comprised of an optimizing phase for the receiver for the models BIRIS II 50 and 100 and for the receiver and transmitter for the BIRIS II 200.

Optical alignment:



This alignment consists of lining up the axis of the transmitter and receiver modules. This basic alignment adjustment is performed for each module by using the integrated sighting system and begins with the transmitter modules.

Description of the cell viewfinder:

- 1. Place the eye in front of the cell along an oblique line of sight at a distance of about 5 cm as shown in the accompanying figure.
- 2. Aiming consists in viewing the image of the opposite module in the internal mirror using the opening on the side of the cell.
- 3. Aiming is performed by rotating the sight horizontally by directly manipulating the cell fork + or 90°, and by vertically rotating the sight by manipulating the knobs + or 10°.

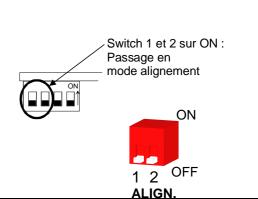
Sight Sight Sighting South Sighting Image Cell support Sighting image Switch 1 and 2 to ON for alignment mode

Optimization of alignment:

 Switch 1 and 2 to ON on TX and RX columns in order to enter alignment mode.
 Work on the cell to find sound frequency and quickest LED blinking.

Sound signal	Alignment status
Continuous signal	Excellent
Rapidly beeping	Good
Slowly repeating	Bad
beeps	
(1 / sec)	
Slow regular beeps	No signal

 Switch 1 and 2 to OFF on the TX and RX barrier in order to leave alignment mode



Switch 1 et 2 sur ON:

ON

OFF

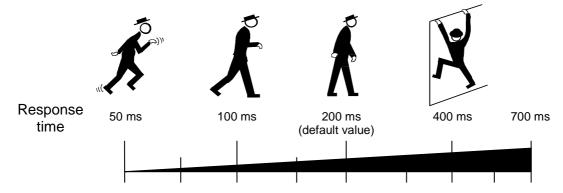
Passage en

mode alignement

1 2 ⁽

Adjusting the response time:

Adjustment of the response time allows adaptation of the detection sensitivity of the barrier environment. A long response time reduces the sensitivity



5 FINAL TESTS

After installation, verify correct operation with a complete test:

- Transmitter active: green Led on
- Alarm triggered by passage between beams: red Led on.

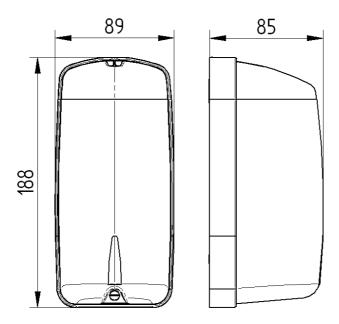
6 TROUBLESHOOTING

Malfunction	Probable cause	Solution
Green Led on transmitter out	 Improper power supply 	 Check power supply (operating range between 10V and 14V).
Red Led on the receiver column out continually		
Red Led on the receiver column lit continually	 Transmitter column without power 	 Check transmitter power supply Reperform alignment procedure Change transmitter channel
	Poor alignmentTransmitter on different	Switch column power off and onDisengage the beam axes
	channel	- Diserigage the beath axes
	 Channel not validated 	
	 Object obstructing the beams 	
Beams interrupted, but red light of reception column not on	 The beams are not interrupted simultaneously 	 Interrupt all beams simultaneously

7 TECHNICAL SPECIFICATIONS

30 6004 00			
30 6004 01			
125 m			
50	m		
Pulsed infrared cell with four selectable frequencies			
(channels)			
2			
Simultaneous interruption of all beams			
Adjustable from 50 ms to 700 ms			
Interruption time of beams	with a 4 second minimum		
10V to 14V DC			
10V to 14V AC / DC			
Electronics	Heating		
20 mA	120 mA		
25 mA	120 mA		
45 mA	240 mA		
NC - alarm off 30V DC 50 mA			
NC - alarm off 30V DC 500 mA			
-25℃ / +55℃			
-2307+330			
IP 65			
630 g			
Compliance with European standards (CE label)			
Horizontal: +/- 90°- Vertical: +10°-15°			
Optical sighting system, audio tone of incoming signal			
	30 60 125 50 Pulsed infrared cell with for (char (char 2) Simultaneous interror Adjustable from 5 Interruption time of beams 10V to 14V Electronics 20 mA 25 mA 45 mA NC - alarm off 3 NC - alarm off 3 NC - alarm off 3 Compliance with Europe Horizontal: +/- 90°- Optical sighting system,		

Exterior dimensions (en mm)





In compliance with European environmental directives, this product must not be thrown away but recycled through an appropriate subsidiary.