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Infrared Remote Control

USER MANUAL





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1 THE REMOTE CONTROL

The infrared remote control makes it possible to configure and read the navigation lights status from a distance.

It is also possible to manage more than one navigation light with this remote control. The remote control or the navigation lights don't have a special distinguishing mark.

It is thinkable that not everyone using the remote control should be able to change the settings, and therefore the schedule choices may be secured by a pin code (4 numbers). For receiving some settings no pin code is necessary, for the lantern test option there is no pin code necessary.

PINcode for changing characters	=	3195
PINcode for changing the other settings	=	1796

TROUBLE SHOOTING:

The infrared Remote control does not work:

- Push on TV button and then on Menu to get in the menu
- Replace battery's (2xAAA)
- Clean infrared eye of the remote control with a damp cloth
- UV/ Sun light can interfere the Infrared signal of the remote, make sure that direct UV/ Sun light is blocked between the lantern and the remote control.

Please note: That users making wrong settings may cause the lantern to malfunction or cease to function. The user must be very alert when setting the lantern.

2 INFRARED CODES

The following options are possible:

- | | |
|-----------------------------|-------------------------------------|
| • 000 to 216 + pincode | character setting |
| • 881 | receive battery voltage |
| • 882 | receive LED current setting |
| • 883 | receive LDR value |
| • 884 | lantern test |
| • 885 + pincode | set LED current |
| • 886 + pincode | set day/ night off point |
| • 887 + pincode | set day/ night on point |
| • 888 + pincode | set battery charging on point |
| • 889 + pincode | set battery charging off point |
| • 890 + pincode | set battery load off point |
| • 891 + pincode | set battery load on point |
| • 894 + pincode | set lantern in continuous flashmode |
| • 885 and/ or 892 + pincode | set day and nighttime ledcurrent |
| • 999 + pincode | set lantern on/ off |



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3 PROGRAMMING THE LANTERN

To begin programming the different settings you will have to aim the remote control at the receiver in the lantern.

Then the MENU button must be pressed for 2 seconds to get in the programming menu of the lantern. When the lantern sees this it will give 4 short flashes. If this doesn't happen press the MENU button again.

If the lantern does not respond, the remote control can be in the wrong mode setting. Press the TV button on the remote to put the remote in the correct mode setting.

When the lantern has given 4 short flashes you can begin programming. After around 12 seconds the lantern will automatically go out of the menu. So in order to program again you will have to press the MENU button again. When you are in the menu the lantern gives a short flash for each button you pressed. When the lantern accepts a code you entered it will give two flashes. The lantern will give 4 short flashes when it doesn't accept the code and brings you back in the main menu where you can enter the code again.



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3.1 SET CHARACTER

With this choice it is possible to change the character of the lantern. The character value has to lie between 000 and 216 and will always have 3 numbers. With this setting you will need the 4 numbered pin code.

For example:

- Press the MENU button
- The lantern will give 4 short flashes
- Now press the 3 numbered character code, for character 34 press 0-3-4 after every number the lantern will give a short flash.
- Now you can enter your 4 numbered pin code
- After you entered the last number the lantern will give 2 flashes.
- The lantern will go out of the menu in around 12 seconds.

The character is now programmed.

3.2 Receive battery voltage (code 881)

With this option it is possible to receive the battery voltage of the power supply, which is connected with the lantern. The code for receiving the voltage is **881**. The voltage value can be seen in flashes and will always contain 3 numbers. The lantern divides the voltage value in 3 pieces. When the voltage is for example 12.6 volts the lantern divides the value in 1 – 2 – 6. When we want to read the value we need to press the **PROG+** button. The first time the button is pressed the lantern will give the first piece of its value in flashes. Is the value 1 the lantern gives 1 flash. When the **PROG+** button is pressed again the lantern will give its second piece of its value in flashes. The value is 2 so the lantern will give 2 flashes. When the **PROG+** button is pressed again the lantern will give its third piece of value. The value is 6 so the lantern will give 6 flashes. The received date is 126 that means 12.6 Volts. When the **PROG+** button is pressed again the lantern will return to its menu.

For example: the voltage is **10.7V**

- Press the MENU button.
- The lantern will give 4 short flashes.
- Now press 8-8-1.
- After each number you pressed the lantern will give a short flash.
- After you entered the last number the lantern will give 2 flashes.
- Now press the **PROG +** button.
- The lantern will give 1 flash.
- Press the **PROG +** button again.
- The lantern will give no flashes.
- Press the **PROG +** button again.
- The lantern will give 7 flashes.
- When the **PROG +** button is pressed again the lantern will give 4 short flashes and the lantern will return to its menu



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3.3 Receive LED current (code 882)

With this option it is possible to receive the setting of the LED current. The code for receiving the current is **882**. The LED current setting can be seen in flashes and will always contain 3 numbers. The lantern divides the LED current value in 3 pieces. When the LED current is for example 250mA the lantern divides the value in 2 – 5 – 0. When we want to read the value we need to press the **PROG+** button. The first time the button is pressed the lantern will give the first piece of its value in flashes. The value is 2 so the lantern gives 2 flashes. When the **PROG+** button is pressed again the lantern will give its second piece of its value in flashes. The value is 5 so the lantern will give 5 flashes. When the **PROG+** button is pressed again the lantern will give its third piece of value. The value is 0 so the lantern will give no flashes. So the battery voltage is 250mA. When the **PROG+** button is pressed again the lantern will return to its menu.

For example: the LED current is 300mA

- Press the MENU button.
- The lantern will give 4 short flashes.
- Now press 8-8-2.
- After each number you pressed the lantern will give a short flash.
- After you entered the last number the lantern will give 2 flashes.
- Now press the **PROG +** button.
- The lantern will give 3 flashes.
- Press the **PROG +** button again.
- The lantern will give no flashes.
- Press the **PROG +** button again.
- The lantern will give no flashes.

When the **PROG +** button is pressed again the lantern will give 4 short flashes and the lantern will return to its menu.



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3.4 Receive LDR value (code 883)

With this option it is possible to receive the value of the LDR. The code for receiving the LDR value is **883**. The LDR can be seen in flashes and will always contain 3 numbers and lies between 0(light) and 255(dark). The lantern divides the LDR value in 3 pieces. When the LDR value for example is 128 the lantern divides the value in 1 – 2 – 8. When we want to read the value we need to press the **PROG+** button. The first time the **PROG+** button is pressed the lantern will give the first piece of its value in flashes. The value is 1 so the lantern gives 1 flash. When the **PROG+** button is pressed again the lantern will give its second piece of its value in flashes. The value is 2 so the lantern will give 2 flashes. When the **PROG+** button is pressed again the lantern will give its third piece of value. The value is 8 so the lantern will give 8 flashes. So the LDR value is 128. When the **PROG+** button is pressed again the lantern will return to its menu.

For example: the LDR value is 089

- Press the MENU button.
- The lantern will give 4 short flashes.
- Now press 8-8-3.
- After each number you pressed the lantern will give a short flash.
- After you entered the last number the lantern will give 2 flashes.
- Now press the **PROG +** button.
- The lantern will give no flashes.
- Press the **PROG +** button again.
- The lantern will give 8 flashes.
- Press the **PROG +** button again.
- The lantern will give 9 flashes.

When the **PROG +** button is pressed again the lantern will give 4 short flashes and the lantern will return to its menu.

3.5 Lantern test (code 884)

With this option the lantern will flash for a minute in its current character. The code for the lantern test is **884**.

For example:

- Press the MENU button.
- The lantern will give 4 short flashes.
- Now press 8-8-4.
- After each number you pressed the lantern will give a short flash.
- After you entered the last number the lantern will start flashing for a minute.



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3.6 Set LED current (code 885)

With this option it is possible to change the LED current of the lantern. The LED current value always contains 3 numbers. The code for setting the LED current is **885**. The LED current can be set from 1mA up to 900mA and will always contain 3 numbers. With this setting you will need the 4 numbered pin code.

For example: set LED current on 550mA.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-8-5
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 5-5-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The LED current is now set to 550mA.

3.7 Set day / night off switch point (code 886)

With this option it is possible to change the day/night off switch point of the lantern. The code for setting the day/night off switch point is **886**. The day/night off switch point is the point when the lantern stops to give light signals. This value has to lie between 0 and 255 and will always contain 3 numbers. With this setting you will need the 4 numbered pin code. When for example the value is 200, the lantern will stop flashing when the LDR measures 200.

For example: set day/night off switch point on 150.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-8-6
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-5-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The day/night off switch point is now set to 150.



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3.8 Set day / night on switch point (code 887)

With this option it is possible to change the day/night on switch point of the lantern. The code for setting the day/night on switch point is **887**. The day/night on switch point is the point when the lantern starts to give light signals. This value has to lie between 0 and 255 and will always contain 3 numbers. With this setting you will need the 4 numbered pin code. When for example the value is 220, the lantern will start flashing when the LDR measures 220.

For example: set day/night on switch point on 170.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-8-7
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-7-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The day/night on switch point is now set to 170

3.9 Set battery charging on point (code 888)

With this option it is possible to change the battery charging on point of the lantern. The code for setting the battery charging on point is **888**. The battery charging on point is the point when the lantern switches on the solar panels, on which the battery starts charging. This value will always contain 4 numbers. With this setting you will need the 4 numbered pin code.

For example: set battery charging on point on 13.50 Volts.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-8-8
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-3-5-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The battery charging on point is now set to 13.50 Volts.



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3.10 Set battery charging off point (code 889)

With this option it is possible to change the battery charging off point of the lantern. The code for setting the battery charging off point is **889**. The battery charging off point is the point when the lantern switches off the solar panels, on which the battery stops charging. This value will always contain 4 numbers. With this setting you will need the 4 numbered pin code.

For example: set battery charging off point on 13.80 Volts.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-8-9
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-3-8-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The battery charging off point is now set to 13.80 Volts.

3.11 Set load off point (code 890)

With this option it is possible to change the load off point of the lantern. The code for setting the load off point is **890**. The load off point is the point when the lantern stops giving light signals because the battery runs empty. This value will always contain 4 numbers. With this setting you will need the 4 numbered pin code.

For example: set load off point on 10.80 Volts.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-9-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-0-8-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The load off point is now set to 10.80 Volts.



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3.12 Set load on point (code 891)

With this option it is possible to change the load on point of the lantern. The code for setting the load on point is **891**. The load on point is the point when the lantern starts giving light signals because the battery is charged enough for proper working. This value will always contain 4 numbers. With this setting you will need the 4 numbered pin code.

For example: set load on point on 12.20 Volts.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-9-1
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-2-2-0
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.

The load on point is now set to 12.20 Volts.



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3.13 Set lantern continuous flash mode (24 hour mode, code 894)

With this option it is possible to let the lantern flash day and night.

(The lantern will still use the photocell settings to switch between day and night mode, so it is possible to decrease the light output at night-time.)

The code for this option is **894**.

The value is 1 for ON and 0 for OFF

With this setting you will need the 4 numbered pin code.

For example: set the lantern in Continuous flash mode.

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-9-4
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1 for continuous flash mode ON
- After you entered 1 the lantern will give 2 flashes.
- The lantern will now flash 24/7
- Press after the 4 numbered pin code a 0 and the lantern will go automatically On at night time and Off at day time.



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3.14 Set LED current daytime/nighttime (24 hour mode, code 885 or 892)

(use this settings only when continuous flash mode is turned ON)

As said before, in continuous flash mode the lantern will still use the photocell settings to switch between day and night mode.

So it is possible to decrease the light output at night-time, if you don't want a change in light output just set the day and night current at the same value.

The code for these settings are

885 for daytime LED current

892 for nighttime LED current

With this setting you will need the 4 numbered pin code.

For example: set nighttime current on 100mA

- Press the MENU button
- The lantern will give 4 short flashes
- Press 8-9-2 (Night time)
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 1-0-0
- After each number you pressed the lantern will give 2 flashes.
- The lantern will now flash 24/7
- The LED current will now switch to 100mA when it becomes night.

Repeat the above for setting the Day time (8-8-5) led current.



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3.15 Set lantern ON/OFF (code 999)

With this option it is possible to set the lantern ON or OFF. When the lantern is turning OFF, the regulator will continue with loading of the battery. The code for the setting is **999**

For example: set the lantern OFF

- Press the MENU button
- The lantern will give 4 short flashes
- Press 9-9-9
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now you can enter your 4 numbered pin code.
- After each number you pressed the lantern will give a short flash
- After you entered the last number the lantern will give 2 flashes.
- Now press 0 (zero)
- After the number you pressed the lantern will give one short flash

For turning the lantern back on, you will press a 1 (one) after the pin code.



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Character table

Code	Character	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
0	fixed																		
1	FL 1,5S	0,2	1,3																
2	FL 1,5S	0,3	1,2																
3	FL 1,5S	0,4	1,1																
4	FL 1,5S	0,5	1,0																
5	FL 2S	0,2	1,8																
6	FL 2S	0,4	1,6																
8	FL 2S	0,5	1,5																
9	FL 2S	0,7	1,3																
10	FL 2S	0,8	1,2																
11	FL 2,5S	0,3	2,2																
12	FL 2,5S	0,5	2,0																
13	FL 3S	0,2	2,8																
14	FL 3S	0,3	2,7																
15	FL 3S	0,4	2,6																
16	FL 3S	0,5	2,5																
17	FL 3S	0,6	2,4																
18	FL 3S	0,7	2,3																
19	FL 3S	1,0	2,0																
20	FL 4S	0,2	3,8																
21	FL 4S	0,3	3,7																
22	FL 4S	0,4	3,6																
23	FL 4S	0,5	3,5																
24	FL 4S	0,6	3,4																
25	FL 4S	0,8	3,2																
26	FL 6S	1,2	4,8																
27	FL 4S	1,0	3,0																
28	FL 4S	1,5	2,5																
29	FL 4,3S	1,3	3,0																
30	FL 5S	0,2	4,8																
31	FL 5S	0,3	4,7																
32	FL 5S	0,5	4,5																
33	FL 5S	0,9	4,1																
34	FL 5S	1,0	4,0																
35	FL 5S	1,5	3,5																
36	FL 6S	0,2	5,8																
37	FL 6S	0,3	5,7																
38	FL 6S	0,4	5,6																
39	FL 6S	0,5	5,5																
40	FL 6S	0,6	5,4																
41	FL 6S	1,0	5,0																
42	FL 6S	1,5	4,5																
43	FL 7,5S	0,5	7,0																
44	FL 7,5S	0,8	6,7																
45	FL 8S	0,5	7,5																
46	FL 9S	0,9	8,1																
47	FL 10S	0,2	9,8																
48	FL 10S	0,3	9,7																
49	FL 10S	0,5	9,5																
50	FL 10S	0,8	9,2																
51	FL 10S	1,0	9,0																
52	FL 10S	1,5	8,5																
53	FL 12S	1,2	10,8																
54	FL 12S	2,5	9,5																
55	FL 15S	1,0	14,0																
56	FL(2) 5S	0,2	0,8	0,2	3,8														
57	FL(2) 4S	0,5	1,0	0,5	2,0														
58	FL(2) 4,5S	0,3	1,0	0,3	2,9														
59	FL(2) 4,5S	0,4	1,0	0,4	2,7														
60	FL(2) 4,5S	0,5	1,0	0,5	2,5														
61	FL(2) 5S	0,4	0,6	0,4	3,6														
62	FL(2) 5S	0,5	1,0	0,5	3,0														
63	FL(2) 5S	1,0	1,0	1,0	2,0														
64	FL(2) 5,5S	0,4	1,4	0,4	3,3														
65	FL(2) 6S	0,3	1,0	0,3	4,4														
66	FL(2) 6S	0,4	1,0	0,4	4,2														
67	FL(2) 6S	0,5	1,0	0,5	4,0														
68	FL(2) 6S	0,8	1,2	0,8	3,2														
69	FL(2) 6S	1,0	1,0	1,0	3,0														
70	FL(2) 7S	1,0	1,0	1,0	4,0														
71	FL(2) 8S	0,4	1,0	0,4	6,2														
72	FL(2) 8S	0,5	1,0	0,5	6,0														
73	FL(2) 8S	1,0	1,0	1,0	5,0														
74	FL(2) 10S	0,4	1,6	0,4	7,6														
75	FL(2) 10S	0,5	2,0	0,5	7,0														
76	FL(2) 10S	0,5	1,0	0,5	8,0														
77	FL(2) 10S	0,5	1,5	0,5	7,5														
78	FL(2) 10S	0,8	1,2	0,8	7,2														
79	FL(2) 10S	1,0	1,0	1,0	7,0														
80	FL(2) 10S	1,0	1,5	1,0	6,5														
81	FL(2) 12S	0,4	1,0	0,4	10,2														
82	FL(2) 12S	0,5	1,0	0,5	10,0														
83	FL(2) 12S	1,5	2,0	1,5	7,0														
84	FL(2) 15S	1,0	2,0	1,0	11,														



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Code	Character	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
85	FL(2) 20S	1,0	3,0	1,0	15,0												
86	FL(2) 25S	1,0	1,0	1,0	22,0												
87	FL(3) 6,1S	0,4	1,0	0,4	1,0	0,4	2,9										
88	FL(3) 8S	0,5	1,0	0,5	1,0	0,5	4,5										
89	FL(3) 9S	0,3	1,0	0,3	1,0	0,3	6,1										
90	FL(3) 9S	0,8	1,2	0,8	1,2	0,8	4,2										
91	FL(3) 10S	0,5	1,5	0,5	1,5	0,5	5,5										
92	FL(3) 10S	1,0	1,0	1,0	1,0	1,0	5,0										
93	FL(3) 12S	0,5	1,5	0,5	1,5	0,5	7,5										
94	FL(3) 12S	0,5	2,0	0,5	2,0	0,5	6,5										
95	FL(3) 12S	0,8	1,2	0,8	1,2	0,8	7,2										
96	FL(3) 15S	0,3	1,7	0,3	1,7	0,3	10,7										
97	FL(3) 15S	0,4	1,0	0,4	1,0	0,4	11,8										
98	FL(3) 15S	0,5	1,5	0,5	1,5	0,5	10,5										
99	FL(3) 20S	0,5	1,5	0,5	1,5	0,5	15,5										
100	FL(3) 20S	0,5	3,0	0,5	3,0	0,5	12,5										
101	FL(3) 20S	0,8	1,2	0,8	1,2	0,8	15,2										
102	FL(3) 20S	1,0	1,0	1,0	1,0	1,0	15,0										
103	FL(4) 10S	0,5	1,0	0,5	1,0	0,5	1,0	0,5	5,0								
104	FL(4) 10S	0,8	1,2	0,8	1,2	0,8	1,2	0,8	3,2								
105	FL(4) 12S	0,3	1,7	0,3	1,7	0,3	1,7	0,3	5,7								
106	FL(4) 12S	0,5	1,5	0,5	1,5	0,5	1,5	0,5	5,5								
107	FL(4) 12S	0,8	1,2	0,8	1,2	0,8	1,2	0,8	5,2								
108	FL(4) 15S	0,5	1,5	0,5	1,5	0,5	1,5	0,5	8,5								
109	FL(4) 15S	1,0	1,0	1,0	1,0	1,0	1,0	1,0	8,0								
110	FL(4) 16S	0,5	1,5	0,5	1,5	0,5	1,5	0,5	9,5								
111	FL(4) 20S	0,5	1,5	0,5	1,5	0,5	1,5	0,5	13,5								
112	FL(4) 20S	1,5	1,5	1,5	1,5	1,5	1,5	1,5	9,5								
113	FL(5) 20S	0,8	1,2	0,8	1,2	0,8	1,2	0,8	1,2	0,8	11,2						
114	FL(5) 20S	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	11,0						
115	FL(6) 15S	0,5	1,0	0,5	1,0	0,5	1,0	0,5	1,0	0,5	1,0	0,5	7,0				
116	FL(2+1) 6S	0,3	0,4	0,3	1,2	0,3	3,5										
117	FL(2+1) 10S	0,5	0,7	0,5	2,1	0,5	5,7										
118	FL(2+1) 12S	0,8	1,2	0,8	2,4	0,8	6,0										
119	FL(2+1) 12S	1,0	1,0	1,0	4,0	1,0	4,0										
120	FL(2+1) 15S	1,0	2,0	1,0	5,0	1,0	5,0										
121	ISO 2S	1,0	1,0														
122	ISO 3S	1,5	1,5														
123	ISO 4S	2,0	2,0														
124	ISO 5S	2,5	2,5														
125	ISO 6S	3,0	3,0														
126	ISO 8S	4,0	4,0														
127	ISO 10S	5,0	5,0														
128	LFL 5S	2,0	3,0														
129	LFL 6S	2,0	4,0														
130	LFL 8S	2,0	6,0														
131	LFL 8S	3,0	5,0														
132	LFL 10S	2,0	8,0														
133	LFL 10S	3,0	7,0														
134	LFL 10S	4,0	6,0														
135	LFL 12S	2,0	10,0														
136	LFL 15S	4,0	11,0														
137	MO(A) 6S	0,3	0,6	1,0	4,1												
138	MO(A) 8S	0,4	0,6	2,0	5,0												
139	MO(A) 8S	0,8	1,2	2,4	3,6												
140	MO(A) 10S	0,5	0,5	1,5	7,5												
141	MO(A) 15S	0,5	1,5	2,0	11,0												
142	MO(B) 15S	1,5	0,5	0,5	0,5	0,5	0,5	0,5	10,5								
143	MO(U) 15S	0,8	0,1	0,8	0,1	1,7	11,5										
144	MO(U) 10S	0,3	0,7	0,3	0,7	0,9	7,1										
145	MO(U) 10S	0,4	0,6	0,4	0,6	1,2	6,8										
146	MO(U) 10S	0,5	0,5	0,5	0,5	1,5	6,5										
147	MO(U) 15S	0,5	0,5	0,5	0,5	1,5	11,5										
148	MO(U) 15S	0,6	0,3	0,6	0,3	1,4	11,8										
149	MO(U) 15S	0,7	0,5	0,7	0,5	1,9	10,7										
150	MO(U) 15S	0,7	0,7	0,7	0,7	2,1	10,1										
151	MO(U) 15S	1,3	1,7	1,3	0,7	3,3	7,7										
152	OC 1,3S	0,8	0,5														
153	OC 3S	2,0	1,0														
154	OC 3S	2,5	0,5														
155	OC 4S	2,5	1,5														
156	OC 4S	3,0	1,0														
157	OC 5S	3,0	2,0														
158	OC 3,5S	2,5	1,0														
159	OC 5S	4,0	1,0														
160	OC 5S	4,5	0,5														
161	OC 6S	4,0	2,0														
162	OC 6S	4,5	1,5														
163	OC 6S	5,0	1,0														
164	OC 7S	4,5	2,5														
165	OC 8S	5,0	3,0														
166	OC 9S	6,0	3,0														
167	OC 10S	6,0	4,0														
168	OC 10S	7,0	3,0														
169	OC 10S	7,5	2,5														
170	OC 15S	10	5,0														



ATON



OFFSHORE



WIND FARMS

Code	Character	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
171	Q 1S	0,2	0,8														
172	Q 1S	0,3	0,7														
173	Q 1S	0,4	0,6														
174	Q 1S	0,5	0,5														
175	Q 1S	0,8	0,2														
176	Q 1,2S	0,3	0,9														
177	Q 1,2S	0,5	0,7														
178	Q 1,2S	0,6	0,6														
179	Q(2) 5S	0,3	0,7	0,3	3,7												
180	Q(2) 5S	0,5	0,5	0,5	3,5												
181	Q(2) 6S	0,3	0,7	0,3	4,7												
182	Q(2) 10S	0,6	0,4	0,6	8,4												
183	Q(2) 15S	0,2	0,8	0,2	13,8												
184	Q(3) 5S	0,5	0,5	0,5	0,5	2,5											
185	Q(3) 6S	0,3	0,7	0,3	0,7	0,3	3,7										
186	Q(3) 10S	0,3	0,7	0,3	0,7	0,3	7,7										
187	Q(3) 10S	0,5	0,5	0,5	0,5	0,5	7,5										
188	Q(3) 10S	0,6	0,6	0,6	0,6	0,6	7,0										
189	Q(4) 6S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	2,7								
190	Q(4) 6S	0,4	0,6	0,4	0,6	0,4	0,6	0,4	2,6								
191	Q(4) 10S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	6,7								
192	Q(4) 12S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	8,7								
193	Q(4) 20S	0,5	0,5	0,5	0,5	0,5	0,5	0,5	16,5								
194	Q(5) 7S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	2,7						
195	Q(5) 10S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	5,7						
196	Q(6) 10S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	4,7				
197	Q(9) 15S	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	6,8
198	Q(9) 15S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	6,7
199	Q(9) 15S	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	4,8
200	Q(6)+LFL 15S	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	0,2	0,8	2,0	7,0		
201	Q(6)+LFL 15S	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	0,3	0,7	2,0	7,0		
202	Q(6)+LFL 15S	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	2,0	5,8		
203	VQ 0,5S	0,2	0,3														
204	VQ 0,6S	0,2	0,4														
205	VQ 0,6S	0,3	0,3														
206	VQ(2) 4S	0,2	1,0	0,2	2,6												
207	VQ(2) 8S	0,2	1,0	0,2	6,6												
208	VQ(3) 5S	0,2	0,3	0,2	0,3	0,2	3,8										
209	VQ(3) 5S	0,3	0,2	0,3	0,2	0,3	3,7										
210	VQ(3) 5S	0,3	0,3	0,3	0,3	0,3	3,5										
211	VQ(3) 15S	0,1	0,5	0,1	0,5	0,1	13,7										
212	VQ(9) 10S	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	5,8
213	VQ(9) 10S	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	4,9
214	VQ(6)+LFL 10S	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	0,2	0,3	2,0	5,0		
215	VQ(6)+LFL 10S	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	2,0	4,4		
216	VQ(6)+LFL 10S	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	2,0	9,4		
217	FL(2) 10s	1,5	1,5	1,5	5,5												
218	LFL 10 S	2,5	7,5														
219	FL (2) 5s	0,5	0,5	0,5	3,5												
220	FL (3) 10s	0,8	1,2	0,8	1,2	0,8	5,2										
221	FL (1) 2s	1,2	0,8														
222	FL	0,3	2,0														
223	FL (2) 14s	1,0	1,0	1,0	11,0												
224	BLZ 4 s	1,0	3,0														
225	W-rot	1,0	0,5	1,0	1,5												
226	Ubr (3) 16s	6,5	1,5	2,5	1,5	2,5	1,5										
227	FL (3) 8s	0,5	0,5	0,5	0,5	1,5	4,5										



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