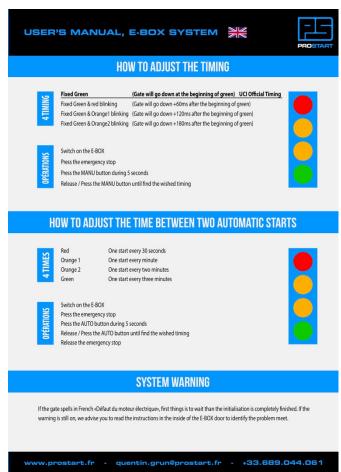
# **Settings, Inspections & Maintenance**

### 1/ Settings

All the settings about the use of the gate are shown on the manual given at the installation of the starting gate. Please find it below in small scale:





# 2/ Inspections and maintenance

<u>Inspections at every use:</u> The quality of the gate drop is a steady inspection. If the gate realizes an unusual drop, immediately stop the system to understand the situation. Please find below the main reasons:

- The fixations of the ram are weakened. To check that, the two center grates need to be removed. If the fixations look good, make one or several gate drops to see if everything is correct.
- The aluminum door (the gate itself) is weakened. To check that, listen to the metal during some gate drops to identify where could come from the problem. Some welds can be damaged or broken.

Maintenance at every use: Nothing except making sure to switch off the system

<u>Inspections every 3 months:</u> Simple visual inspection of the gate welds. Aim is to identify some weak welds in order to reinforce them before it can damage the whole gate.

<u>Maintenance every 3 months:</u> Greasing of the 9 gate hinges with a grease gun. 16 nipples are at disposal. You can use general grease.

#### <u>Inspection every six months or before a major competition:</u>

- Remove the two center grates to access in the ram area. Aim is to control that the clevis are well-fixed and well-greased.
- Check the volume of the speaker before an event. If the volume is not high enough, you can use an external speaker using the available 3.5mm jack plug inside the E-BOX.
- Check all the electronic is performing well. All the remote buttons are working and also the speaker, gate motion and two LED lights.

### Maintenance every six months or before a major competition:

- Greasing of the 9 gate hinges with a grease gun. 16 nipples are at disposal. You can use general grease.
- Greasing of the 2 clevis brackets of the ram.
- Turn up the screws of the clevis brackets to make sure everything is well tightened.

#### Maintenance during a major competition above 500 riders:

The electric gate needs be reinitialized every three hours approximatively. It gives a full reset of the system and adjust better the quality of the gate.

#### Conditions of use:

The lowest operating temperature is given at -15°C (5°F) Below, it could damage all the electronic and mechanical parts.

The highest operating temperature is given at +40°C (104°F) Above, the motor will overheat, and it can damage seriously the performance of the motor and the performance of the Servo-Driver located inside the control box (E-BOX)

If you have to use the gate within that temperature range, the whole gate system needs to be switched-off for 5 minutes every two hours, so all the system can cool down a bit. We advise you to let the control box panel open to reduce at best the temperature. A cooler can be installed toward the Servo-Driver in order to refresh the air around this device.

