



Error messages Robo-Tek All Control boxes and Rover Floating Battery Head						Probable Cause and Actions	
No.	Error	Alarm buzzer	Alarm description	All Control boxes - Alarm indicators	Rover Floating battery head alarm indicators	Probable cause	Action required
1	"Out-of-Water" alarm	Two short beeps	The machine climbs out of the water or the impeller is stuck, so it stops working and gives an alarm	The third light with green flash	"2hr" light flashes	Impeller not below surface water level, broken impeller, faulty pump motor	Push robot under water when pump starts, Replace impeller, or Contact Robo-Tek for service for further advice
2	Machine temperature is too high	Two short beeps	The temperature of the water pump is too high, so the machine stops working and gives an alarm (working power will decrease at temperature above 62°C, and the machine will stop working at 72°C)	The second light with yellow flash	"1hr" light flashes	Impeller or impeller shaft has debris around it,Pump motor is worn or defective	Remove debris, and restart, otherwise Contact Robo-Tek for service for further advice
3	Machine overturns	Two short beeps	The machine overturns and fails to recover in 10-20 minutes, and then it stops working and gives an alarm	The first light with blue flash	"0.5hr" light flashes	Filter Bag is too full,	Clean or replace filter bag, or Contact Robo-Tek for service for further advice
4	Machine walking protection	Two short beeps	The current of the motor is too large, and the machine stops working and gives an alarm	The first and third lights respectively with green and blue flash	"0.5hr" and "2hr" lights flash	Debris around drive mechanism, broken drive shaft component, hazard in the pool, or faulty drive motor or circuit board.	Inspect drive mechanism, and or remove debris from drive mechanism, or Contact Robo-Tek for service for further advice
5	The second water pump temperature of Robo-max is too high	Two short beeps	The temperature of the second water pump is too high, so the machine stops working and gives an alarm (working power will decrease at temperature above 62°C, and the machine will stop working at 72°C)	The first and second lights respectively with blue and yellow flash		Impeller or impeller shaft has debris around it,Pump motor is worn or defective	Remove debris from the impeller shaft or impeller, or Contact Robo-Tek for service for further advice
6	Low machine voltage	Two short beeps	The machine will stop working and give an alarm if its voltage is too low (For control box power supply, the machine stops working when the voltage is lower than 23V and for floating power supply, the machine stops working when the voltage is lower than 21V)	The second and third lights respectively with yellow and green flash	Four lights flash	Faulty or damaged power supply, faulty or damaged floating cable	Contact Robo-Tek for service for further advice
7	Communication lost	Four short beeps	If communication between the control box and the machine is lost continuously for 30s, the control box will give an alarm. After the communication is restored, the alarm is released.			Faulty control Box PCB, Faulty Floating cable, Faulty motor Box PCB	Reconnect the cable's aviation plug and or waterproof female joint and re-try. Contact Robo-Tek for service for further advice
8	Pump overload	Two short beeps	The pump motor current is too large, and the machine stops working and gives an alarm	The first, second, and third lights respectively with green,yellow and blue flash	"2 hr", "1 hr "and "0.5 hr" lights flash	Debris around impeller shaft, or defective pump motor, or Motor box PCB.	Remove debris from around impeller, and restart or Contact Robo-Tek for service for further advice
9	The machine cannot climb the wall	Three short beeps	The control box will give an alarm after the machine fails to climb the wall normally for 10 consecutive times			Filter Bag is too full, clean or replace filter bag, belts are broken, sponge wheels are worn, impeller cover missing, Pump motor worn.	Clean or replace filter bag, or Contact Robo-Tek for service for further advice
10	Motor no-load	Two short beeps	The current of the walking motor is too small, and the machine stops working and gives an alarm	The first and second lights respectively with constant blue and yellow light	"1hr" and"0.5hr" lights keep awake	Drive mechanism jammed, drive motor failure,or Motor Box PCB failure	Check drive mechanism for obstruction, clear and restart. Contact Robo-Tek for service for further advice
11	Maintenances are needed	Five short beeps				No problem...Time for service to maintain your robot in good working order	Contact Robo-Tek to book a service for your robot.