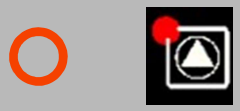
Para – LED diagnosis and remedy 1/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 Continuous green	Normal running	Pump runs as expected	Normal operation	
 green/red blinking	Warning mode (pump operate in an abnormal condition, no risk for the pump functionality)	The pump is running but send a warning message	1. Dry run: The pump is operating without water 2. Overload of motor: friction due to particles and/or impeller blocked with debris and/or too high viscosity 3. Generator operation: the pump rotor is driven by an external flow	1. Add water inside the application 2. Check installation water quality, clean system if debris 3. The pump will operate normally when the external flow will be stopped

Para – LED diagnosis and remedy 2/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 Red blinking	Abnormal running mode (pump stopped but still functional)	The pump has stopped due to external failure. The pump will restart itself after the disappearance of the external failure	1. Under or Over voltage: main supply voltage U< 160V or U>280V 2. Overload of motor: friction due to particles and/or impeller blocked with debris and/or too high viscosity 3. Over speed: the pump rotor is driven by an external flow above the maximum allowed value 4. Over current: abnormal current exceeding the limit 5. Module over temperature: Temperature inside the motor is too high 6. Turbine Mode: the pump is driven by external flow (>1200l/h) in opposite direction of its flow	1. Check main voltage supply : 160V < U < 280V 2. Check installation water quality, clean system if debris 3. Ensure that there is no other external flow (other pump running) on system 4. Check for leakage on application 5. Check combination water and ambient temperature (see T° profile graph) 6. Ensure that the external flow is less than 1200l/h.

Para – LED diagnosis and remedy 3/3

LED color	Meaning	Diagnostic	Potential cause	Remedy
 Red fix	Pump stopped	The pump has stopped due to permanent failure.	1. Faulty electronic module and/or faulty motor	1. Switch OFF the pump and wait 30s before to switch ON 2. For a SC product make a manual restart If the pumps is still red after a power reset ➔ Replace the pump
No LED	No power supply	No voltage on electronics	1. Pump is not connected to main supply 2. Faulty LED 3. Faulty electronics	1. Check cables connection 2. Check if pump is running 3. Replace pump