

PowerPallet2000 Throttle LED Codes 07/27/2017

Latest Firmware to date: 87087D2/87086D2

LEFT LED CODES

LEFT LED CODE	WARNING/INDICATION	DESCRIPTION	RECOMMENDED ACTION
Solid GREEN	Warehouse Mode	Drive at desired max. speed with tilted handle	
Solid YELLOW	Truck Mode	Drive at slower speeds. Operable with upright handle.	
Solid RED	Manual/Freewheel Mode	Operate as a manual pallet-jack. Throttle applies variable braking.	
Fast Flashing GREEN on startup with neutral throttle	Neutral cannot be detected	Switch failure	Replace Throttle
		Spring is not depressing the switches	Extend Spring or Replace Throttle
Fast Flashing GREEN or YELLOW when engaging throttle and attempting to drive	Attempting to drive with handle upright in Warehouse Mode OR Attempting to drive with handle tilt angle greater than horizontal braking angle	Safety Feature	Use recommended handle tilt for driving in Warehouse and Truck modes
		Insufficient throttle input	Increase throttle rotation
		Insufficient torque to move load	Reduce load on the pallet-jack
		Parking brake engaged	Disengage parking brake before attempting to drive
Fast Flashing GREEN or YELLOW when pressing mode button	Motor stalled for longer than 2 seconds	Battery too low to move load	Replace battery with fully charged battery
		Motor is not completely stopped	Make sure machine is completely stopped before attempting to switch modes
LED flashing with simultaneous horn beeping (throttle is in neutral position)	Downhill rolling	Machine rolling with no input from the throttle	<ul style="list-style-type: none"> - If safe to do so, bring unit to a stop, lowering the load - Ensure if within operating parameter, if not, take machine out of service to get it fixed

RIGHT LED CODES

RIGHT LED CODE	INDICATION	DESCRIPTION/ RECOMMENDED ACTION
Solid GREEN	Good battery	> 70% battery remaining
Solid YELLOW	OK battery	40% - 70% battery remaining
Solid RED	Low battery	10% - 40% battery remaining
Fast Flashing RED	Extremely low battery	<ul style="list-style-type: none"> - < 10% battery remaining - Replace or recharge battery immediately - Drive disabled
Flashing YELLOW	High motor temp.	<ul style="list-style-type: none"> - Machine performance limited to preserve motor
Fast Flashing YELLOW (Horn beeps when driven)	Motor overheated	<ul style="list-style-type: none"> - Machine performance severely limited to preserve motor - Move truck to a safe area, and allow motor to cool-down

DUAL LED CODES

LED CODE	INDICATION	DESCRIPTION	RECOMMENDED ACTION
Left & Right LEDs flash RED	Belly-Button has been pressed	Safety-feature to prevent user from getting pinned	Release throttle to neutral position and return handle to upright position to exit
Horn beeps continuously with both LEDs OFF	Communication loss	Communication lost between the controller and throttle	Remove battery, check throttle cable connections, wait for 15 seconds, and reconnect battery
			If problem persists, replace throttle cable
			If problem persists, replace the PowerPallet
Both LEDs flashing YELLOW on powering up	No USB Key (optional feature - 85086 firmware)	Machine will not operate without USB flash drive key installed	Power down, insert USB flash drive key, and power up machine
LEDs turn OFF when being driven, and then come back ON after stopping	Communication loss when motor is being driven	Faulty motor causing communication loss between the controller and throttle	Replace PowerPallet
Both LEDs flashing GREEN on powering up (Flashing stops when mode-button is pressed)	No Bootloader Program/No application firmware	Bootloader was not programmed during assembly	<ul style="list-style-type: none"> - Application firmware cannot be uploaded without bootloader program - Return machine to PowerHandling for service/replacement
Both LEDs blink RED and YELLOW alternatively	No Application Firmware	Machine will not function without valid software	Update the device with the latest software
Both LEDs blink RED and GREEN alternatively	Wrong Bootloader Program	<ul style="list-style-type: none"> - Development bootloader present - Application firmware cannot be uploaded 	Contact Engineering