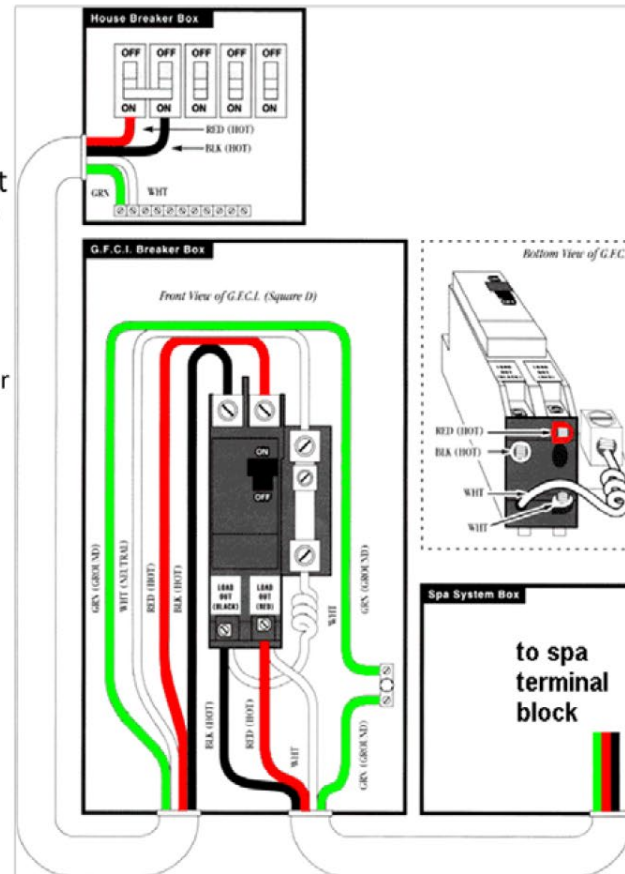


GFCI basics

- *** *This information is for reference only and to be modified only by a certified electrician.*
- GFCI stands for **Ground Fault Circuit Interrupter**.
- Its function is to detect any leakage of current (electricity) transferred to ground, in this case the water, shutting off completely the power to the spa to prevent electrocution.
- House breaker box with 50 amp.
 - This is to protect if a mayor short circuit occurs between the main power and the gfci. This breaker does not detect ground fault.
- 50 Amp GFCI.
- input
 - 2 lines (hots) on top. (Black & Red)
 - Neutral line to pig-tail bar. (white)
 - Ground to ground bar. (green)
- Output
 - 2 protected lines to spa (Black L1 & Red L2)
 - Load neutral to spa Neutral (White N)
 - Ground bar to spa Ground (Green)
- Test button.
 - When pressed, the gfci will simulate a ground fault and should trip. If it doesn't trip it needs to be replaced by a certified electrician.



Electrical requirements/wiring

Preferred wiring 240 Vac. 3 wire + Ground

Model	GFCI protection	Wire Gauge	Input current
Bays 2 or 3 pump	50 Amp	#6 awg.	40
Reflections 1 pump	40 Amp.	#6 awg.	32
Reflections 2 pump	50 Amp.	#6 awg.	40
Reflections 3 pump	50 Amp.	#6 awg.	40
@Home 1 Pump	40 Amp.	#6 awg.	32
@Home 2 pump	50 Amp.	#6 awg.	40
AFS 2 pump	50 Amp.	#6 awg.	50
AFS 3 pump	50 Amp.	#6 awg.	50
AFS spa side	40 Amp.	#6 awg.	40

Other options 240 Vac. 3 wire + Ground

Model	GFCI protection	Wire gauge	Input current
Dupree Bay 2 pump	40 Amp.	#6 awg.	32
Reflections 1 pump	30 Amp.	#8 awg.	24
Reflections 2 pump	40 Amp.	#6 awg.	32
@Home 1 Pump	30 Amp	#8 awg.	24
@Home 2 pump	40 Amp	#6 awg.	32
AFS 2 pump	40 Amp.	#6 awg.	40
AFS 3 pump	40 Amp.	#6 awg.	40
AFS spa side	30 Amp.	#8 awg.	30

Other options 120 Vac. 2 wire + Ground

Model	GFCI protection	Wire gauge	Input current
@Home 1 pump *	15 Amp.	#12/14 awg.	12

**Journey, Serenade & Cove only.*