

# PIMP YOUR SPA



Everything you need, in one easy package



in.xe™

innovative spa pack platform

Versatile

Easy to install

Watertight



**GECKO**®

[www.geckoalliance.com](http://www.geckoalliance.com)

Aeware®  
by GECKO •

Creating products. Building relationships.



in.xe™

# Ground-breaking features for unsurpassed innovation, reliability and safety.

The in.xe's design focuses on features and functions that appeal to every player in the industry, from the spa manufacturer to the end user. Built to take full advantage of Aeware by Gecko's advanced electronics, in.xe caters to reason as well as emotions. Take full advantage of its reliability, safety and ease-of-use.

Like the in.xm, its bigger brother, the in.xe is sturdy, compact and thin. Its small footprint makes it a perfect fit in any crowded spa equipment compartment. Its dimensions respond to industry expectations for packs designed for spas and hot tubs.

The in.xe combines Gecko's in.pac series' breakthrough features and signature design with a heat.wav integrated heater. With so much to offer in such an easy-to-use design, the in.xe is the perfect control system for spas.

## Gecko in.xe

### Versatile

- One kit covers a large range of combinations of accessories.

### Innovative

- in.kin protects against overheating water by monitoring all pumps, not just the heater.
- No pressure switch: in.xe is equipped with in.flo all electronic dry-fire protection.

### Easy to install and repair

- The new in.put thermal block makes connections easier and faster.
- No temperature probe to install: in.xe is equipped with inline probes.

### Watertight

- IPX-5 rating for box and in.link plugs keeps water out of all connections.

### Full color control

- Compatible with the in.k800, full color LCD keypad. Control accessories and audio from one great-looking screen.

All this in optimal price/performance configurations!

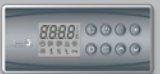
### Compatible with:



in.k19 main keypad  
LED display, 4 keys,  
7 function icons



in.k35 main keypad  
LED display, 6 keys,  
8 function light indicators



in.k4 main keypad  
LCD display, 8 keys,  
10 function icons



in.k8 main keypad  
LCD display, 8 keys,  
6 function icons



in.k200 main keypad  
LED display, 4 keys,  
7 function light indicators



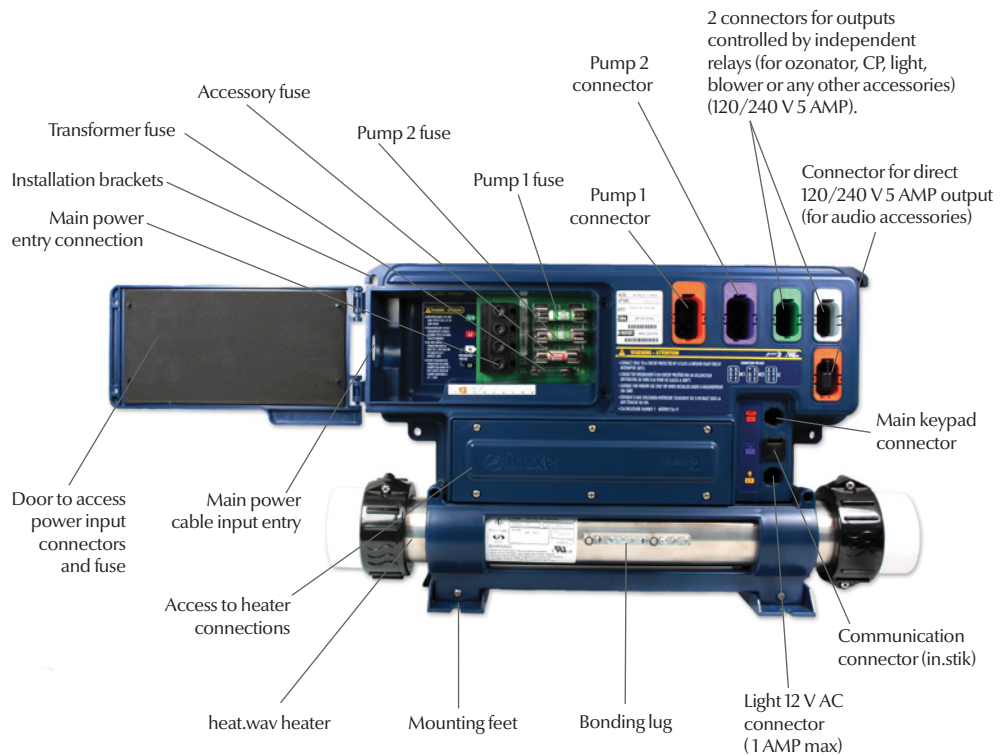
in.k450 main keypad  
LCD display, 7 keys,  
10 function icons



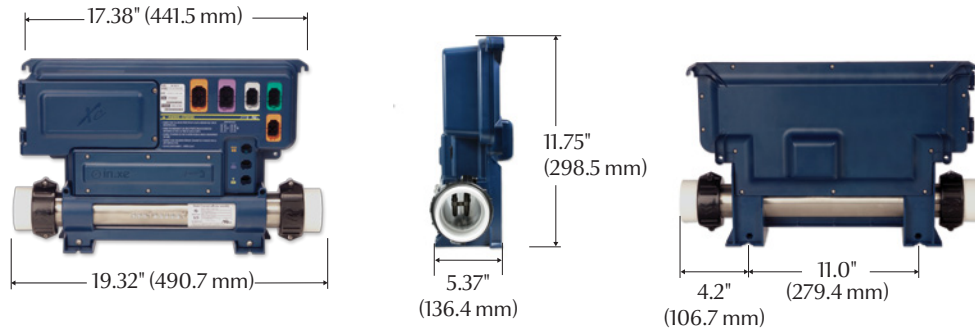
in.k600 main keypad  
LCD display, 11 keys,  
15 function icons



in.k800 main keypad  
LCD display, 10 keys



## in.xe dimensions:



### **in.put** input terminal block

The in.put was designed to ease wire insertion (up to # 4 AWG) and connections. Tighter input connection reduces heat generated for increased component lifetime.



### **in.axess** board access prevention

Only serviceable parts, terminal block, fuses, heater and probe connectors, are made accessible to service technicians. Electronic components are protected in separate and inaccessible compartments.



### **in.seal** watertight protection

The in.seal provides an extra level of protection against water infiltration. Connectors and power box are designed to be watertight so no water can be in direct contact with electrical components (IPX-5).



### **in.link** plugs and connectors

in.link cables are output/input plugs and connectors that come with colored and tagged polarizers. Totally waterproof, they are designed to be easily configured and to ensure that all equipment cables are well connected at their intended connection port, eliminating any risk of miswiring.



### **in.flo** solid state monitoring

All-electronic dry-fire protection of in.xe's heat.wav heater. In.flo eliminates the burden of adjustments, calibrations and failures associated to usual water flow sensors.



### **in.kin** kinetic heat monitoring

First ever UL approved kinetic heating protection manages water temperature increase generated by pump heat dissipation. Hardware protection shuts all accessories off if it senses water overheating.



### **in.t.cip** water temperature algorithm

in.t.cip is an intelligent water temperature refresh algorithm that calculates optimal time to start pumps and get water temperature readings. in.t.cip continuously readjusts the heater start time.



### **in.stik** spa system configurator

The in.stik is a pen drive with an in.link connector, very similar to a USB memory stick. It connects to the spa pack and contains data to program or configure its system. The system executes the data upload automatically.

## General specifications:

### Environmental:

Operating temperature:

North American model in.xe  
32°F (0°C) to 140°F (60°C) for pump 1 up to 15 A  
32°F (0°C) to 122°F (50°C) for pump 1 up to 20 A

European model in.xe.ce  
for single-phase system (32 A Max) or 2-phase (2 x 16 A)  
32°F (0°C) to 140°F (60°C)  
for single-phase system (40 A Max) or 2-phase (2 x 20 A)  
32°F (0°C) to 122°F (50°C)  
(\* Controller must be installed under the spa skirt)

- Storage temperature:  
-13°F (-25°C) to 185°F (85°C)
- Humidity: up to 85% RH, non condensing

### Mechanical:

- Weight: 10.5 lbs (4.76 kg)
- Dimensions: (W x H x D)  
1738" x 11.75" x 5.1" (441.5x298.5 x129 mm)

## in.xe UL/CSA electrical specifications

Input rating:	120/240 V nominal (+ 5/- 10 %) (2 lines required with neutral) 48 A Max,
or:	120 V nominal only (+5/-10%) (single line with neutral) 16 A Max, 60 Hz nominal (+1.5 / -1.0 Hz)

Output	Voltage	Maximum Current	Typical Device
Out 1	120/240 V	20 FLA/70 LRA (in-rush)	Pump 1 High Speed
	120/240 V	15 FLA/60 LRA (in-rush)	Pump 1 Low Speed
Out 2*	240 V	15 FLA/60 LRA (in-rush)	Pump 2
Out 3*	120/240 V	6 FLA/10 A	(CP)/Blower
Out 4	120/240 V	6 FLA/10 A	Ozone Generator
Out 5	120/240 V	10 A (always ON)	Audio/Video device
LI	12 V AC	1 A	Light
CO	Communications port Comm. connector (in.stik)		
CI	Tub side controller		

Heat.wav rating:

Voltage:	120 or 240 V, 60Hz
Wattage:	17A resistive (4 kW at 240 V) 8.5 A resistive (1 kW at 120 V)
Flow rate:	Minimum of 18 GPM (68.1 LPM) is required

Important:

- The maximum amperage for outputs 3 to 5 cannot exceed 12 A.

### UL/CSA Standards:

- UL/CSA Standards:
- UL 1563 Fifth Ed.
- UL File: E182156
- CSA No. 22.2 - 218.1-M89.



### TUV Standards:

- EN/IEC 60335-2-60:2003/2002-EN/IEC 60335-1:2002/2001 (incl. Corr. & Am. up to 2004)
- EN55014-1
- EN55014-2
- EN61000-3-2
- EN61000-3-3



The in.xe.ce is lab tested to IPx5 enclosure protection levels.

## in.xe.ce TUV electrical specifications

Input rating:	230/400 V nominal (+ 5/- 10 %) (2-phase system) 20 A Max per phase
or :	230 V nominal (+ 5/- 10 %) (single-phase system) 40 A Max

Output	Voltage	Maximum Current	Typical Device
Out 1	230 V	15 FLA/60 LRA (in-rush)	Pump 1 High & Low
Out 2*	230 V	15 FLA/60 LRA (in-rush)	Pump 2
Out 3*	230 V	6 FLA/10 A	(CP)/Blower
Out 4	230 V	6 FLA/10 A	Ozone Generator
Out 5	230 V	10 A (always ON)	Audio/Video device
LI	12 V AC	1 A	Light
CO	Communications port Comm. connector (in.stik)		
CI	Tub side controller		

Heat.wav rating:

Voltage:	230 V, 50 Hz
Wattage:	3.7kW at 230 V
Flow rate:	Minimum of 18 GPM (68.1 LPM) is required