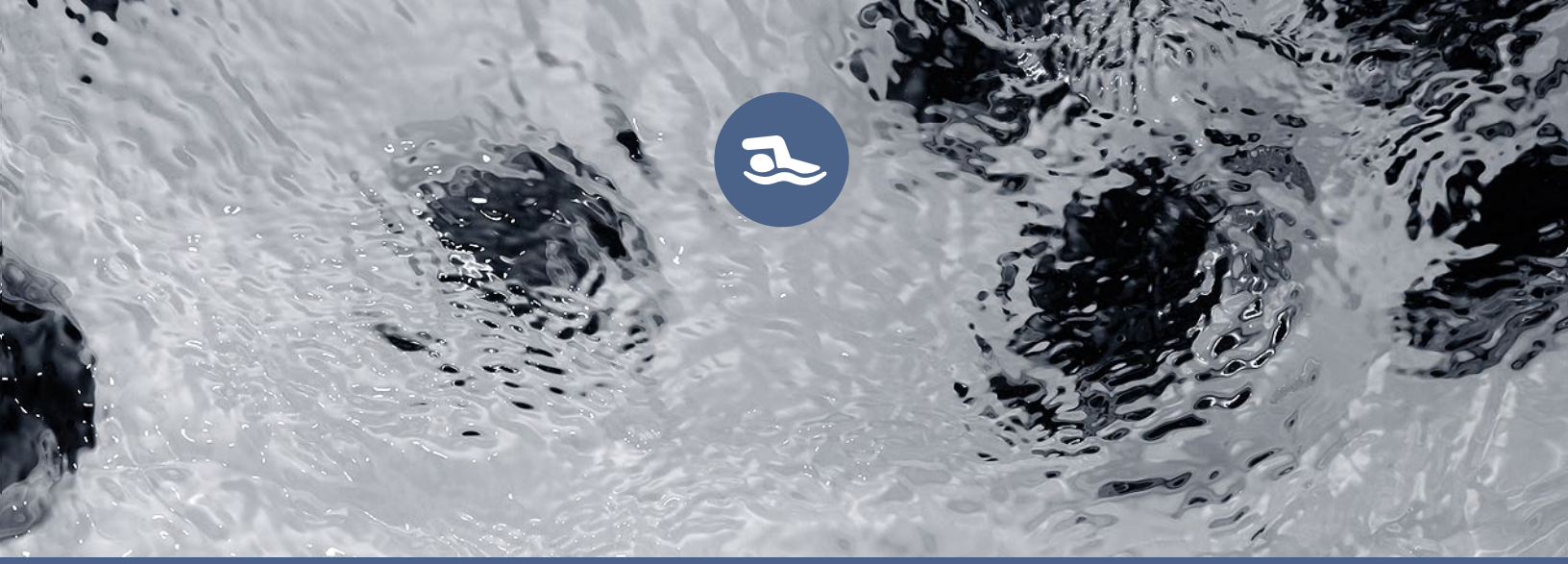


TechBook

Swim spa systems

When two are better than one!

Versatility

Power

Control

GECKO®

Table of contents

Warnings

WARNINGS:

Before installing or connecting the unit, please read the following.

* FOR UNITS FOR USE IN OTHER THAN SINGLE-FAMILY DWELLINGS, A CLEARLY LABELED EMERGENCY SWITCH SHALL BE PROVIDED AS PART OF THE INSTALLATION. THE SWITCH SHALL BE READILY ACCESSIBLE TO THE OCCUPANTS AND SHALL BE INSTALLED AT LEAST 5' (1.52 M) AWAY, ADJACENT TO, AND WITHIN SIGHT OF THE UNIT.

* ANY DAMAGED CABLE MUST BE IMMEDIATELY REPLACED BY QUALIFIED PERSONNEL.

* TURN POWER OFF BEFORE SERVICING OR MODIFYING ANY CABLE CONNECTIONS IN THIS UNIT.

* TO PREVENT ELECTRIC SHOCK HAZARD AND/OR WATER DAMAGE TO THIS CONTROL, ALL UNUSED BUSHING CONDUITS MUST BE PLUGGED WITH THE ATTACHED NIPPLE.

* THIS CONTROLLER MUST NOT BE INSTALLED IN PROXIMITY OF HIGHLY FLAMMABLE MATERIALS.

* LOW SUPPLY VOLTAGE OR IMPROPER WIRING MAY CAUSE DAMAGE TO THIS CONTROL SYSTEM. READ AND FOLLOW ALL WIRING INSTRUCTIONS WHEN CONNECTING TO POWER SUPPLY.

* THIS PACK CONTAINS NO USER SERVICEABLE PARTS. CONTACT AN AUTHORIZED SERVICE CENTER FOR SERVICE.

* ALL CONNECTIONS MUST BE MADE BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY STATE, PROVINCIAL OR LOCAL ELECTRICAL CODE IN EFFECT AT THE TIME OF THE INSTALLATION.

* PRODUCT MUST BE DISPOSED OF SEPARATELY IN ACCORDANCE WITH LOCAL WASTE DISPOSAL LEGISLATION.

* THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY.

* CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.

* MEANS FOR DISCONNECTION MUST BE INCORPORATED IN THE FIXED WIRING IN ACCORDANCE WITH THE WIRING RULES.

* CAUTION: IN ORDER TO AVOID A HAZARD DUE TO INADVERTENT RESETTING OF THE THERMAL CUT-OUT, THIS APPLIANCE MUST NOT BE SUPPLIED THROUGH AN EXTERNAL SWITCHING DEVICE, SUCH AS A TIMER, OR CONNECTED TO A CIRCUIT THAT IS REGULARLY SWITCHED ON AND OFF BY THE UTILITY.

* PARTS CONTAINING LIVE PARTS, EXCEPT PARTS SUPPLIED WITH SAFETY EXTRA-LOW VOLTAGE NOT EXCEEDING 12 V, MUST BE INACCESSIBLE TO A PERSON IN THE BATH OR SPA.

* PARTS INCORPORATING ELECTRICAL COMPONENTS, EXCEPT REMOTE CONTROL DEVICES, MUST BE LOCATED OR FIXED SO THAT THEY CANNOT FALL INTO THE BATH OR SPA.

* PARTS ARE TO BE INSTALLED IN THE CORRECT ZONE AND EQUIPOTENTIAL BONDING CARRIED-OUT IN ACCORDANCE WITH THE WIRING RULES.

* CLEARANCE AND MINIMUM DISTANCE BETWEEN THE VARIOUS PARTS OF THE APPLIANCE AND THE SURROUNDING STRUCTURE ARE NOT SPECIFIED AS LONG AS THEY ARE SUFFICIENT SO THAT THE AMBIENT TEMPERATURE AROUND THE CONTROLLER DOES NOT EXCEED 50 OR 60°C.

Swim spa systems

When two are better than one!

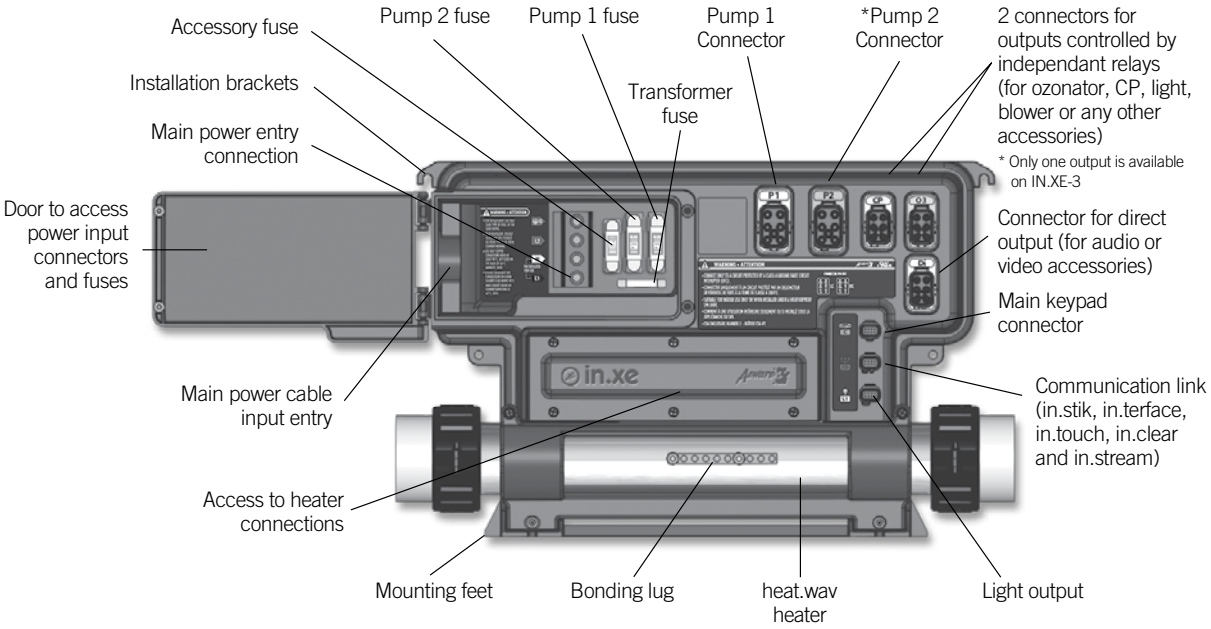
Gecko offers control systems for swim spas that truly take into account the unique relaxation and swimming features of this type of spas.

Designed to be versatile and to provide a maximum of possible configurations, the Gecko system for swim spas includes two in.xe controllers, a main keyboard, an optional auxiliary keyboard and interface cable 8 '.

Total control of all the swim spa functions and accessories connected to its relaxation and exercise zones is then available at one's fingertips.

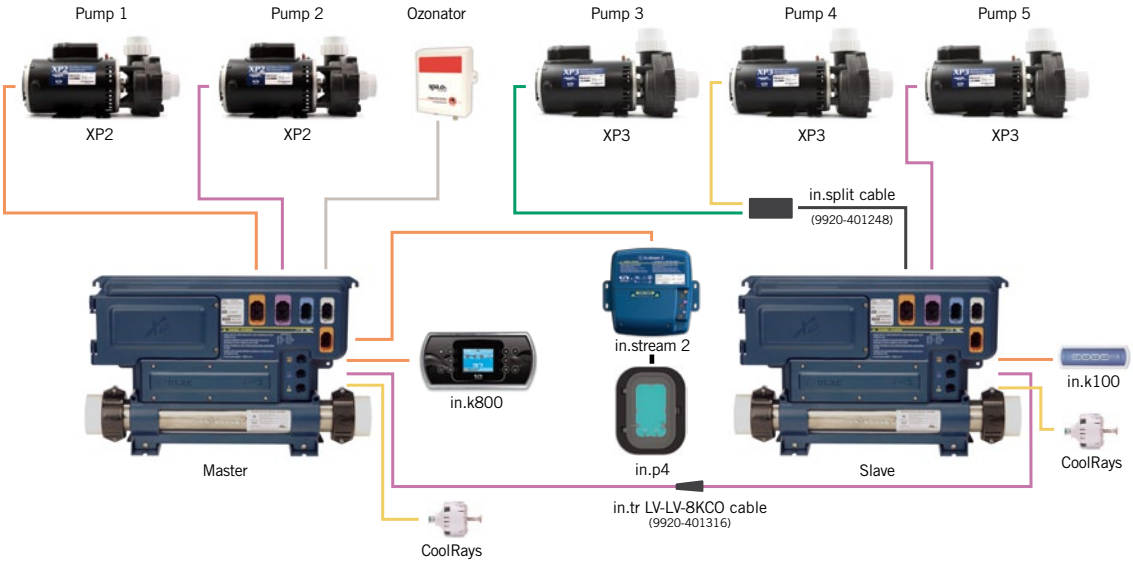
Overview

in.xe overview



Note: No connectors should remain unplugged. Use blank plugs to fill unused connectors.
** Available only on IN.XE-5.*

5 pump swim spa configuration overview



**Attention, overiew is shown as an example, many other configurations, may be done.*

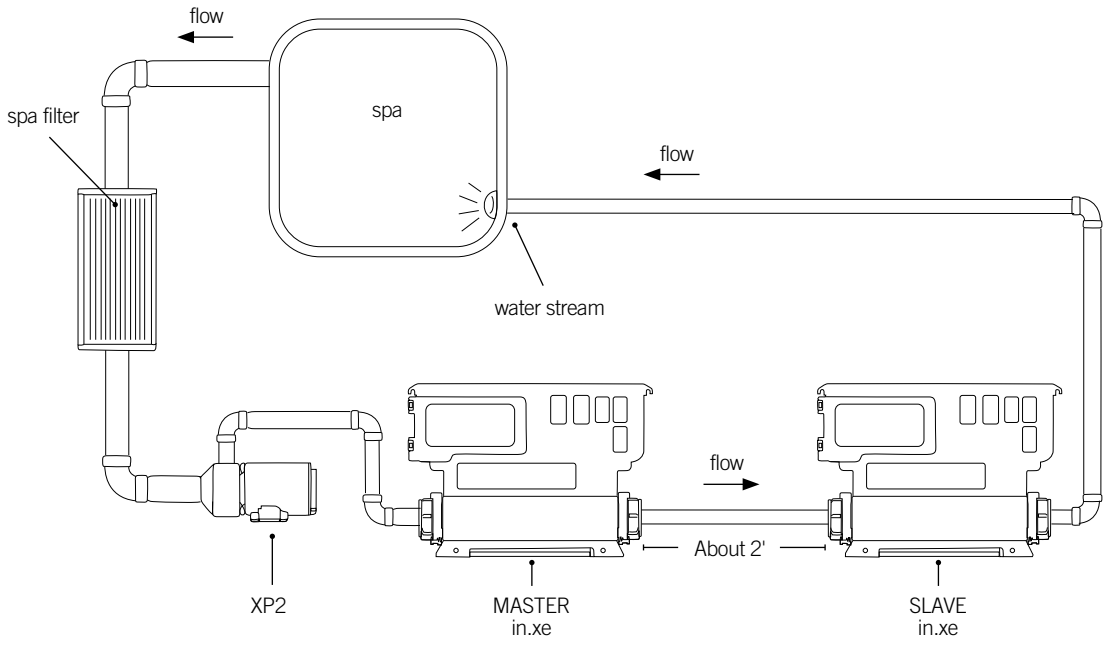
Installation

in.xe control systems installation procedure

For ground or wall installation of your in.xe control systems please refer to in.xe techbook, section installation for complete instructions

Warning
Leave a 2' distance between the MASTER in.xe and the SLAVE in.xe during installation (see diagram below).

Swim spa control systems installation diagram



** A minimum flow of 18 GPM is required.*

Keypad installation

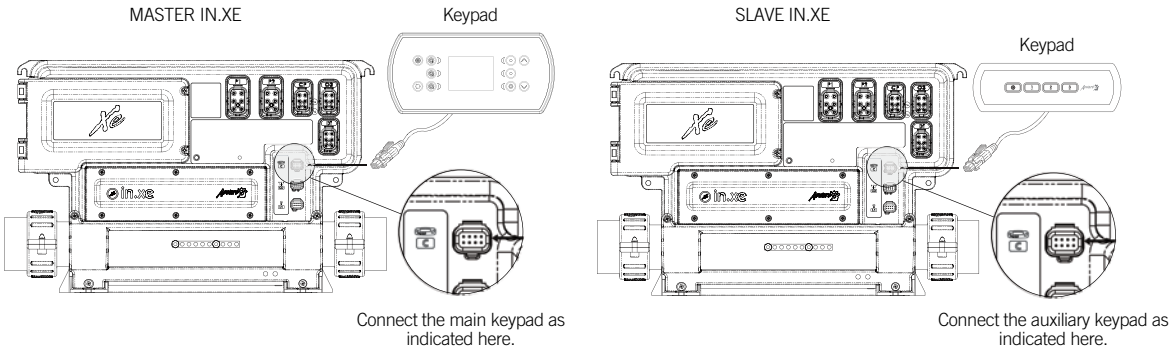
For detailed instructions and a drilling template, refer to the compatible keypad section and select your main or auxiliary keypad to be redirected to the corresponding techbook.

Connections

Connection of main and auxiliary keyads

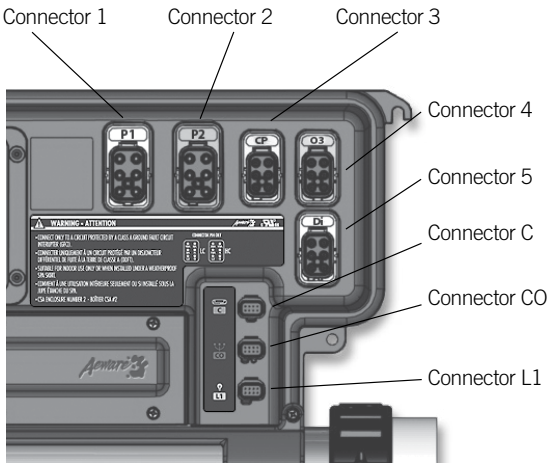
Note: Always shut power down before connecting an accessory to the in.xe.

To connect the keypad insert the in.link connector into the appropriate keypad connector (as illustrated.)

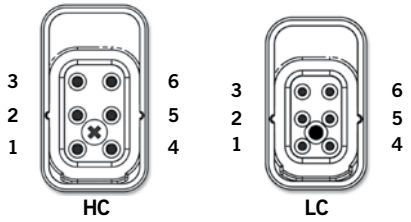


Connections

Connecting high voltage accessories



Female connector on spa pack



in.link output connectors

High-Current - HC connectors
Master in.xe

Connector	Output	Typical Device
Connector 1	Output 1	Pump 1 high speed
	Output 2	Pump 1 low speed
Connector 2	Output 3	Pump 2 high speed

High-Current - HC connectors
Slave in.xe

Connector	Output	Typical Device
Connector 1*	Output 1	Pump 3 high speed
	Output 2	Pump 4 high speed
Connector 2	Output 3	Pump 5 high speed

Low-Current - LC connectors (relay controlled)

Connector	Output	Typical Device
Connector 3	Output 4	none
Connector 4	Output 5	Ozonator

Low-Current - LC connectors (relay controlled)

Connector	Output	Typical Device
Connector 3	Output 4	none
Connector 4	Output 5	none

Low-Current - LC connectors (always on)

Connector	Output	Typical Device
Connector 5	Output 6	Accessories audio/video/etc.

Low-Current - LC connectors (always on)

Connector	Output	Typical Device
Connector 5	Output 6	Accessories audio/video/etc.

Low voltage connectors - LV

Connector C	Main keypad
Connector CO	Communication port (cable in.tr 9920-401316)
Connector L1	Light output 12V AC

Low voltage connectors - LV

Connector C	Auxiliary keypad
Connector CO	Communication port (cable in.tr 9920-401316)
Connector L1	Light output 12V AC

** in.split cable necessary to connect two pumps to a same connector.*
*** Attention, the typical devices are given as examples, many other configurations may be done.*

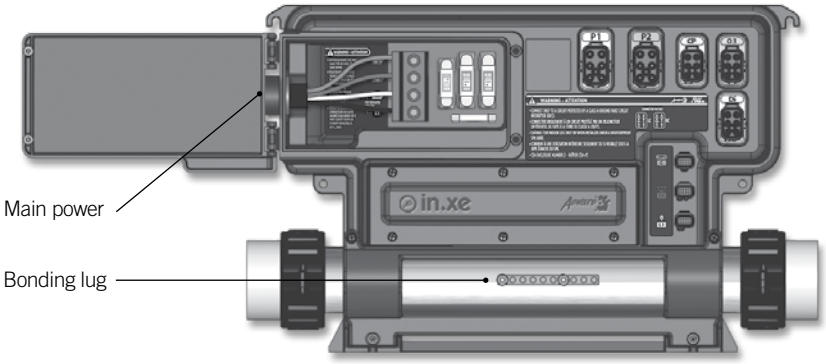
Wiring

in.link connector

For more information on the in.xe in.link connectors, consult the “in.link”connector in the in.xe techbook.

Electrical wiring

Electrical wiring: all models



Warning
Cut electrical power before proceeding to any electrical job.
The wiring must be done by a qualified electrician in accordance to local electric code.

To complete the electrical connections of the control system you will need a Phillips screwdriver and a flat-head screwdriver.

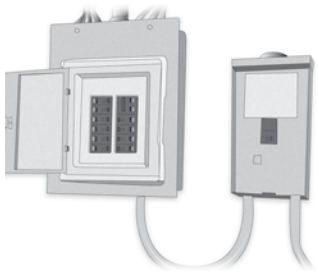
Loosen the 2 screws of the spa pack door and open it.

Remove 5 1/2" (142 mm) of cable insulation.

Strip away 1" (25 mm) of insulation from each wire.

Pull the cable through the cutout of the box and secure it with a strain relief (1" NPT strain relief; hole diameter: 1.335" (34,42 mm)). Ensure that the NPT strain relief clamps around the outer sheath of the cable.

** For CE/AU/NZ, use an IEC certified plastic bushing that will maintain the IPX5 rating.*



Main electrical box GFCI panel

Warning
For units for use in other than single-family dwellings, a clearly labeled emergency switch shall be provided as part of the installation. The switch shall be readily accessible to the occupants and shall be installed at least 5'
(1.52 m) away, adjacent to, and within sight of the unit.

This product must always be connected to a circuit protected by a ground fault interrupter.

Proper wiring of the electrical service box, GFCI and in.xe terminal block is essential.

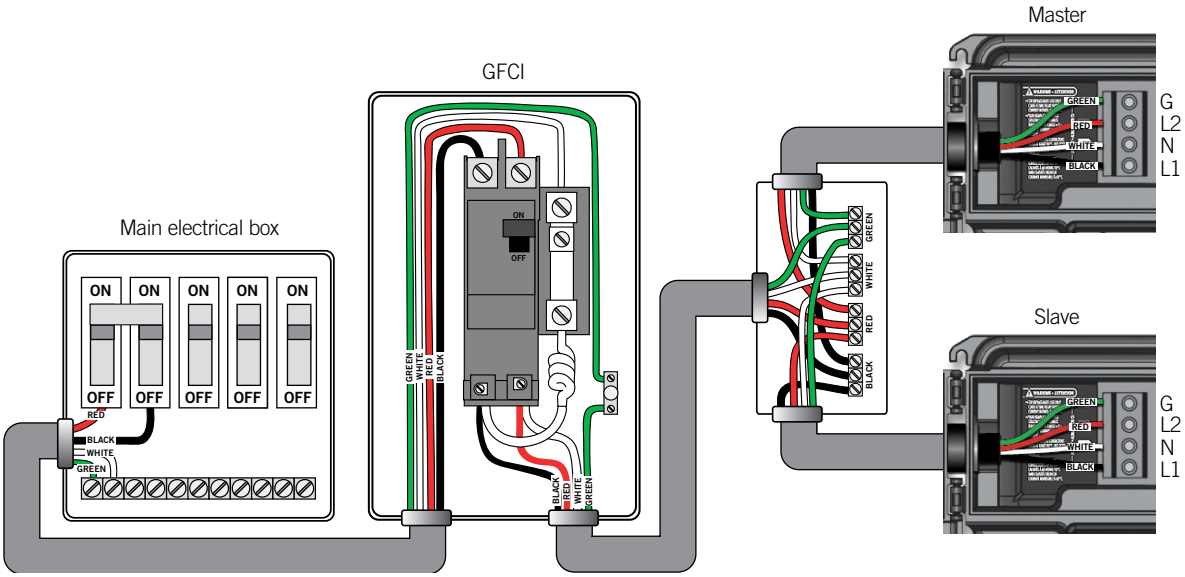
Check your electrical code for local regulations. Only copper wire should be used, never aluminum.

Disposal of the product
The appliance (or the product) must be disposed of separately in accordance with the local waste disposal legislation in force.

Electrical wiring: North American models - 1 breaker

Insert every wire in the appropriate control system terminal, in accordance to the color code indicated on the sticker. Use a Phillips screwdriver or a flat-head screwdriver to tighten the terminal screws.

Connect the ground conductor wire to the front of the control system, (the ground conductors of the appartus should be connected with a grounded electrode).

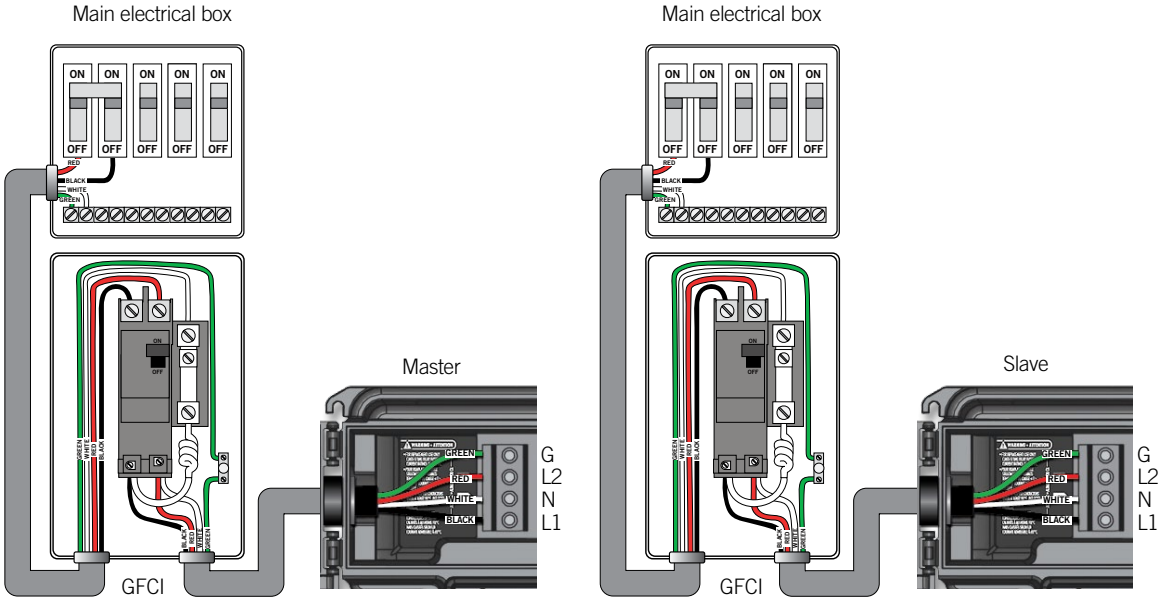


Warning
This wiring diagram is for reference use only. In the event that there is a difference between this diagram and the electrical code in effect at the moment of installation, the electrical code in effect at the moment prevails.

Electrical wiring: North American models - 2 breakers

Insert every wire in the appropriate control system terminal, in accordance to the color code indicated on the sticker. Use a Phillips screwdriver or a flat-head screwdriver to tighten the terminal screws.

Connect the ground conductor wire to the front of the control system, (the ground conductors of the appartus should be connected with a grounded electrode).



Warning
This wiring diagram is for reference use only. In the event that there is a difference between this diagram and the electrical code in effect at the moment of installation, the electrical code in effect at the moment prevails.

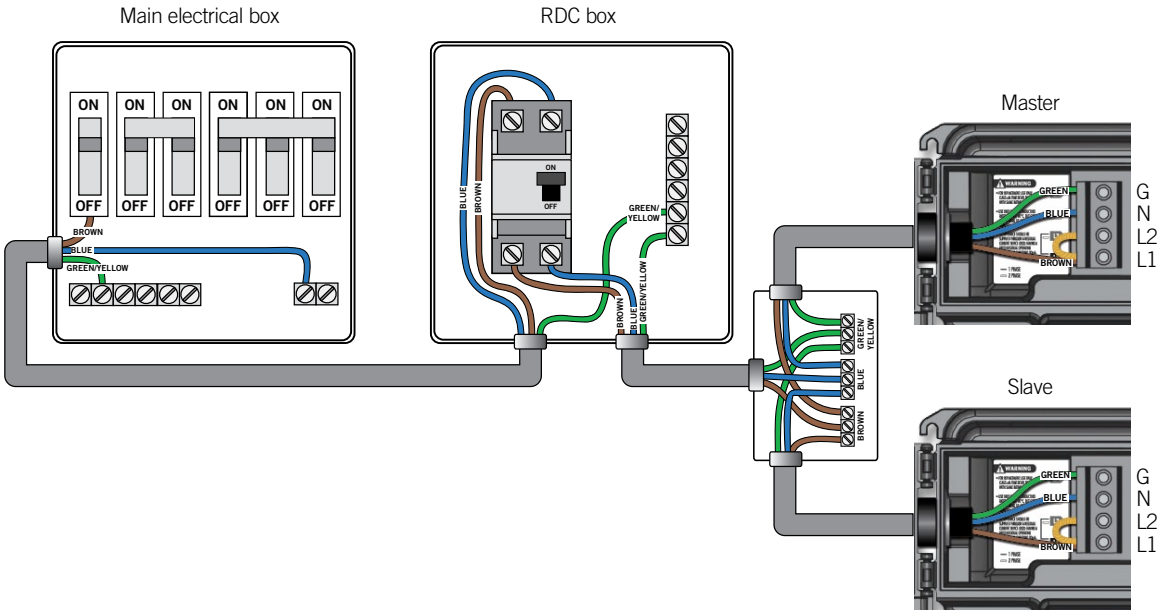
Electrical wiring

Electrical wiring: European models - monophased

Insert every wire in the appropriate control system terminal, in accordance to the color code indicated on the sticker. Use a Phillips screwdriver or a flat-head screwdriver to tighten the terminal screws.

Connect the ground conductor wire to the front of the control system, (the ground conductors of the appartus should be connected with a grounded electrode).

Warning
in.xe.ce models must always be connected to a circuit protected by a Residual-Current Device (RCD) having a rated operating residual-current not exceeding 30 mA.



Warning
This wiring diagram is for reference use only. In the event that there is a difference between this diagram and the electrical code in effect at the moment of installation, the electrical code in effect at the moment prevails.

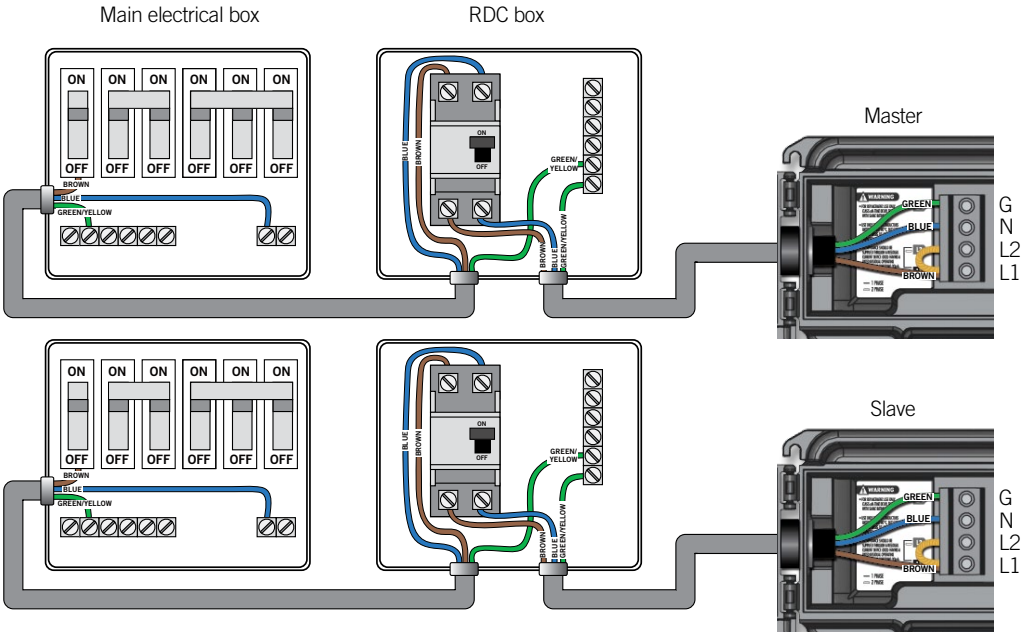
Electrical wiring

Electrical wiring: European models - biphased

Insert every wire in the appropriate control system terminal, in accordance to the color code indicated on the sticker. Use a Phillips screwdriver or a flat-head screwdriver to tighten the terminal screws.

Connect the ground conductor wire to the front of the control system, (the ground conductors of the appartus should be connected with a grounded electrode).

Warning
in.xe.ce models must always be connected to a circuit protected by a Residual-Current Device (RCD) having a rated operating residual-current not exceeding 30 mA.



Warning
This wiring diagram is for reference use only. In the event that there is a difference between this diagram and the electrical code in effect at the moment of installation, the electrical code in effect at the moment prevails.

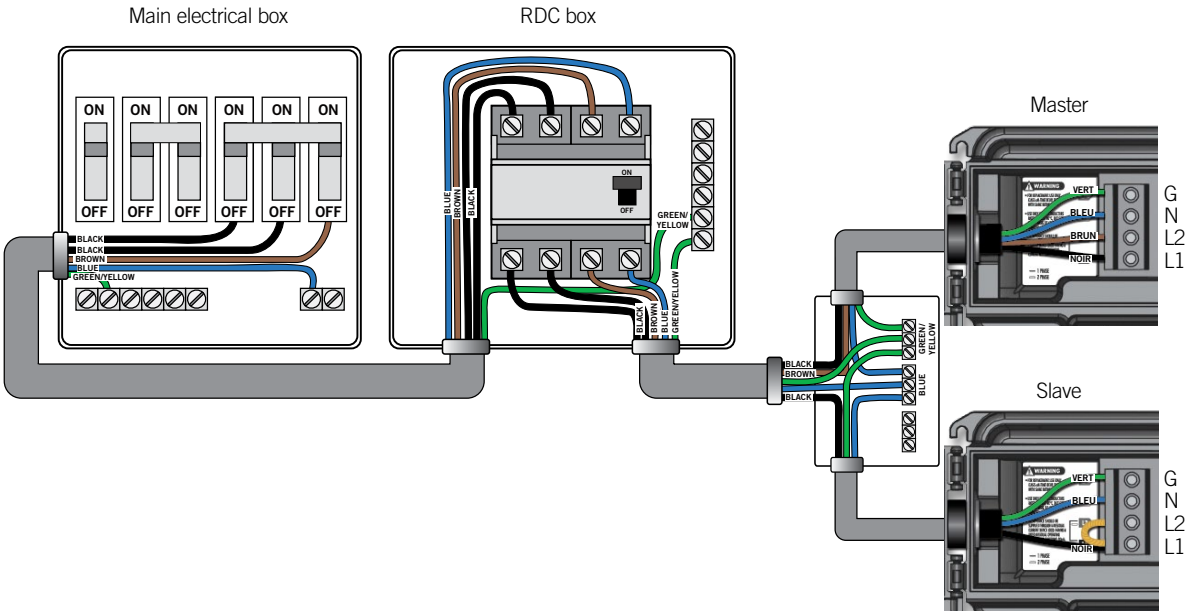
Electrical wiring

Electrical wiring: European models - triphased

Insert every wire in the appropriate control system terminal, in accordance to the color code indicated on the sticker. Use a Phillips screwdriver or a flat-head screwdriver to tighten the terminal screws.

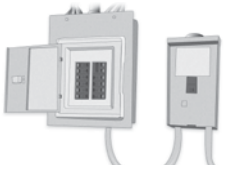
Connect the ground conductor wire to the front of the control system, (the ground conductors of the appartus should be connected with a grounded electrode).

Warning
in.xe.ce models must always be connected to a circuit protected by a Residual-Current Device (RCD) having a rated operating residual-current not exceeding 30 mA.



Warning
This wiring diagram is for reference use only. In the event that there is a difference between this diagram and the electrical code in effect at the moment of installation, the electrical code in effect at the moment prevails.

Power up and breaker setting



IMPORTANT Please read the following before starting the device.

Verify that all accessories are linked to the ground lug and connected to the control system.

A minimum flow of 68 LPM (18 GPM) is required. Make sure that all valves are open in the spa plumbing and that the water flow is sufficient between the main pump and the water heater.

Turn on the breaker.

in.flo dry-fire protection

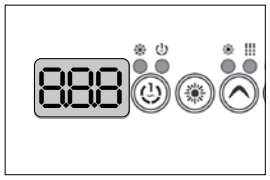
At start up, the in.flo's detector verifies the water flow according to the following sequence:

The Pump 1 or the circulation pump runs for a period of 2 to 5 minutes.

The display will show "- - -" during the flow verification. After this time, the system confirms if flow is adequate or not.

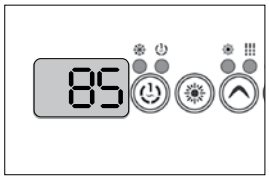
If the flow is sufficient, the temperature of the water is displayed on the keypad screen. When the water has reached the consigned temperature plus 0.45°C (0.8°F), the water heater turns off.

Display sequence at start up (every parameter is displayed for 2 seconds)

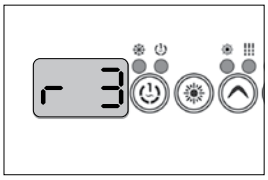


Lamp test

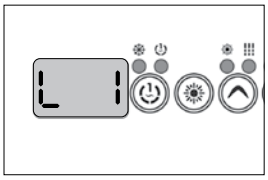
All segments and LEDs light up.



Software number



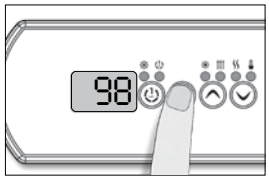
Software revision



Low-level selected

Low-level selected from the low-level menu.

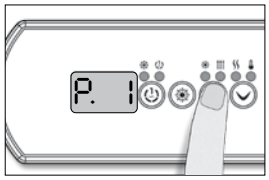
Power up and breaker setting



It is important to specify the current rating of the GFCI/RCD used to ensure a safe and efficient current management (and reduce nuissance GFCI/RCD trippings).

Press and hold the **Prog**. key until you access the breaker setting menu. (the programming menu will appear first). If your control system is equipped with the phase configuration menu, it will appear before the breaker setting menu.

Note: if the keypad does not have the Prog. Key, use the Light key.



Choose the number of phases supplying your spa (1 to 3). Use the **Up** or **Down** keys to select the number of phases and press on the **Prog**. key to confirm your selection.

in.xe

Selecting number of phases	
UL	Menu not available
CE	1 or 2
UL Swim	1 or 2
CE Swim	1, 2 or 3

The values displayed by the system correspond to 80% of the maximum amperage capacity of the GFCI (RCD).

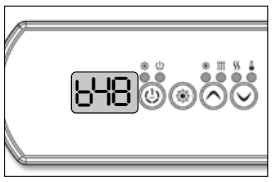
Use the **Up** or **Down** keys to choose the desired value.

The value can typically be modified from 10 to 48 A.

Press on the **Prog**. key to set the breaker rating.

The tables below indicate the typical value of b for different GFCI/RCD ratings. Choose the one that corresponds to your breaker.

Note: Every OEM has its own preestablished configurations.

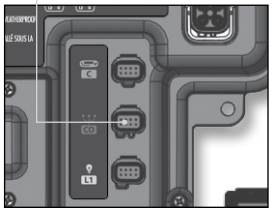


in.xe

GFCI/RCD	b
60A	48A
50A	40A
40A	32A
30A	24A
20A	16A

Programming swim spa system with in.stik

Communication port



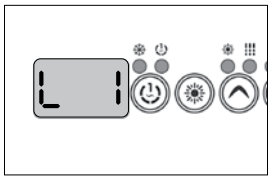
in.xe

To download new preestablished internal configurations to the swim spa follow the following steps.

Cut the power.

Unplug in.tr wire (9920-401316) located between both in.xe and connect the in.stik to the communication port in the front of the MASTER unit (see in.xe image).

Finish off by starting up the control system.



When starting up, the control system will download the different low-level configurations from the in.stik's memory. The low-level selection menu will then appear.

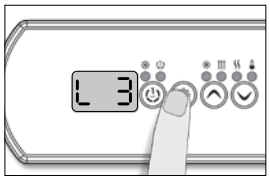
The keypad will display **L xx**. "**xx**" corresponds to the number of the first low-level configuration downloaded into the system's internal memory.

Cut the power. Unplug your main keypad from the MASTER control system and connect to the SLAVE unit.

Follow the previous steps, by connecting the in.stick on the SLAVE unit to program it.

Once the SLAVE unit is programmed, cut the power.

Reconnect your main keypad to the MASTER unit and the communication wire between the two units.

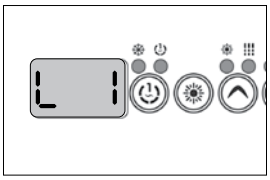


Restart the system.

Use the **Up/Down** keys to select the desired low-level configuration.

Press on the **Prog**. key to confirm the chosen configuration.

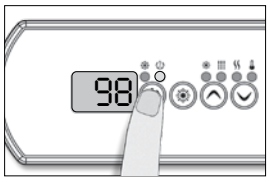
Note: if the keypad does not have the Prog. Key, use the Light key.



If, at start up, the keypad displays a flashing "**L xx**", all low-level configurations have been downloaded but none has been selected.

If you have an error message, please refer to the Troubleshooting guide.

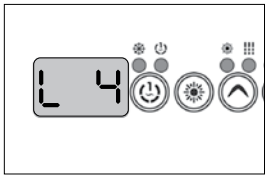
Programming the control system with the keypad



Although every in.xe control system is factory configured, in certain cases, during maintenance or replacement of the equipment, it may be necessary to select a new pre-determined low-level configuration.

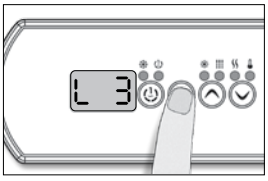
Complete the next few steps to get to the low-level configuration selection menu.

Press and hold the **Pump 1** key for 30 seconds.



The keypad will display **L xx**. "**xx**" corresponds to the number of the low-level configuration presently used by the system.

Use the **Up/Down** keys to select the new low-level configuration.



Press on the **Prog**. key to confirm the chosen configuration.

After 25 seconds, if you have not pressed the **Prog**. key, the system will exit the menu without saving any changes made to the settings.

*Note: if the keypad does not have the **Prog**. key, use the **Light** key.*

Field programming options for control systems

If none of the pre-programmed low-level configurations in the control system suits your spa model, it is possible to have a personalised system configuration by entering manually the setting parameters (see the corresponding table for your spa's control system).

To get to this menu, press on the **Prog** (or **Light**) key for 30 seconds. Use the **Up/Down** keys to choose settings. Press on the **Prog** (or **Light**) key to go to the next parameter.

The available parameters depend on the model.

Field programming is only available on certain keypad models.

Please note that for in.xe controls, depending of your software revision, you may need to refer to tables 2 and 3 used with older versions.

Table 1 is used with the most recent versions of the software. The first parameter will indicates which table to refer to. (1.-- = Table 1 or 2) and (P 1_ = Table 3).

Definition tables

Parameter	Description
--	Output not used
1H	Pump 1 high speed (or P1 if only one speed)
1L	Pump 1 low speed
2H	Pump 2 high speed (or P2 if only one speed)
2L	Pump 2 low speed
3H	Pump 3 high speed (or P3 if only one speed)
3L	Pump 3 low speed
4H	Pump 4 high speed (or P4 if only one speed)
4L	Pump 4 low speed

Parameter	Description
P5	Pump 5 (always single-speed)
BL	Blower
CP	Circulation pump
03	Ozone generator
L2	Light 120V/240V
H	Heater
On	Always on output (simulates a direct)
FA	Fountain
AU	Auxiliary

Table 1 - in.xe

Parameter	Screen	Options	Description
Output 1	1.--	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL, CP,03,L2,H,ON,FA,AU	Accessory connected to the relay of output 1
Output 2	2.--	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL, CP,03,L2,H,ON,FA,AU	Accessory connected to the relay of output 2
Output 3	3.--	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL, CP,03,L2,H,ON,FA,AU	Accessory connected to the relay of output 3
Output 4	4.--	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL, CP,03,L2,H,ON,FA,AU	Accessory connected to the relay of output 4
Output 5	5.--	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL, CP,03,L2,H,ON,FA,AU	Accessory connected to the relay of output 5
Direct output 1	d.--	--,CP	Accessory connected to the direct output 1

Table 1 (continued) - in.xe

Parameter	Screen	Options	Description
Heater	H.__	--,H	Accessory connected to the heater relay
CP usage	Cu._	CP standard = 0 CP always on = 1	Usage of the circulation pump
Ozonator usage	ou._	Ozonator with filtration = 0 Ozonator always on = 1	Usage of the ozone generator
Ozonator pump	oP._	Circulation pump= 0 Pump 1 = 1	Pump associated with the ozone generator
Ozonator type	o._	Standard (UV) = 0 Timed (Corona) = 1	Ozone generator type
Heater pump	HP._	Circulation pump = 0 Pump 1 = 1	Pump associated with the heater
Filter config.	FL._	Purge only = 0 With circ. pump = 1 With Pump 1 low speed = 2 With Pump 1 low speed and 2 different durations = 3	Configuration of the filtration cycle
Temp. units	Un._	°F = 0 °C = 1	Displayed temperature unit
Clock format	CL._	No time displayed = 0 AM/PM mode = 1 24H mode = 2	Clock display mode
Cool down	C.__	30 to 240 seconds	Cool down of the heating element in seconds
Output 1 current	1.__	0 to 20 amps	Current of accessory connected to output 1
Output 2 current	2.__	0 to 15 amps	Current of accessory connected to output 2
Output 3 current	3.__	0 to 15 amps	Current of accessory connected to output 3
Output 4 current	4.__	0 to 15 amps	Current of accessory connected to output 4
Output 5 current	5.__	0 to 15 amps	Current of accessory connected to output 5
Direct 1 current	d.__	0 to 5 amps	Current of accessory connected to direct output 1
Output H current	H.__	0 to 23 amps	Heater current
CE Configuration	CE_	UL = 0 CE/AUS/NZ = 1	CE/AUS/NZ or UL configuration
Number of phases	P.__	**in.xe** **Standard** 1 (UL) 1 or 2 (CE) **Swim Spa** 1 or 2 (UL) 1, 2 or 3 (CE)	**Number of phases/breaker** **Selection of number of phases (in.xe)** UL — Menu not available CE — 1 or 2 UL Swim — 1 or 2 CE Swim — 1, 2 or 3
Input current		**in.xe** **Standard** 10 to 48A monophased (UL) 10 to 40A monophased (CE) 10 to 20A biphased (CE) **Swim Spa** 10 to 48A monophased (UL) 10 to 40A monophased (CE) 10 to 48A biphased (UL) 10 to 40A biphased (CE) 10 to 20A triphased (CE)	**Available household current** **Maximum input voltage (in.xe)** 1 phase / 2 phases / 3 phases UL — 48 / na / na CE — 40 / 20 / na UL Swim — 48 / 48 / na CE Swim — 40 / 40 / 20

Table 2 - in.xe (older versions only)

Parameter	Screen	Options	Description
Output 1A	1.__	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL,CP,O3,L2,H	Accessory connected to the relay of output 1A
Output 1B	2.__	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL,CP,O3,L2,H	Accessory connected to the relay of output 1B
Output 2	3.__	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL,CP,O3,L2,H	Accessory connected to the relay of output 2A
Output 3	4.__	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL,CP,O3,L2,H	Accessory connected to the relay of output 3A
Output 4	5.__	--,1H,1L,2H,2L,3H,3L,4H, 4L,P5,BL,CP,O3,L2,H	Accessory connected to the relay of output 4A
Output 5	6.__	--, H	Accessory connected to the relay of output 5A
CP Usage	CU._	CP standard = 0 CP always on = 1	Usage of the circulation pump
Ozonator usage	OU._	Ozonator with filtration = 0 Ozonator always on = 1	Usage of the ozone generator
Ozonator pump	oP._	Circulation pump = 0 Pump 1 = 1	Pump associated with the ozone generator
Ozonator type	O._	Standard (UV) = 0 Timed (Corona) = 1	Ozone generator type
Heater pump	HP._	Circulation pump = 0 Pump 1 = 1	Pump associated with the heater
Filter config.	FL._	Purge only = 0 With circ. pump = 1 With Pump 1 low speed = 2	Configuration of the filtration cycle
Temp. units	Un._	°F = 0 °C = 1	Displayed temperature unit
Clock format	CL._	No time displayed = 0 AM/PM mode = 1 24H mode = 2	Clock display mode
Cool down	C.__	30 to 240 seconds	Cool down of the heater element in seconds
Output 1A current	1.__	1 to 20 amps	Current of accessory connected to output 1A
Output 1B current	2.__	1 to 15 amps	Current of accessory connected to output 1B
Output 2 current	3.__	1 to 15 amps	Current of accessory connected to output 2A
Output 3 current	4.__	1 to 15 amps	Current of accessory connected to output 3A
Output 4 current	5.__	1 to 15 amps	Current of accessory connected to output 4A
Output 5 current	6.__	1 to 17 amps	Current of accessory connected to output 5A
Direct current	7.__	0 to 5 amps	Current of the direct output
Minimum input current	8.__	10 to 20	Minimum input current (breaker size)
Number of phases	P.__	1 or 2 (UL) 1, 2 or 3 (CE)	Number of phases/breaker
Input current	b.__	10 to 60 A monophased (UL & CE) 10 to 48 A biphased (UL) 10 to 40 A biphased (CE) 10 to 20 A triphased (CE)	Available household current (Maximum input current)

Table 3 - in.xe (older versions only)

Parameter	Screen	Options	Description
Pump 1 config.	P1_	Single speed = 1 Double speed = 2 *Pump 1 and Pump 3 = 3	Pump 1 configuration *Offered on certain models only*
Pump 2 config.	P2_	Not installed= 0 Single speed = 1 Dual speed = 2	Pump 2 configuration
Blower config.	bL_	Not installed= 0 Installed = 1	Blower configuration
Circ. Pump config.	CP_	Not installed= 0 Installed = 1 Always activated = 2	Circulation pump configuration
Ozonator config.	oC_	Not installed= 0 During filtration = 1 Always activated= 2	Ozone generator configuration
Ozonator pump	oP_	Circulation pump= 0 Pump 1 = 1	Pump associated to the ozone generator
Ozonator type	o_	Standard = 0 Timed = 1	Ozone generator type
Heater pump	HP_	Circulation pump= 0 Pump 1 = 1	Pump associated with the heater
Filter config.	FL_	Purge only = 0 With Circulation pump = 1 With Pump 1, low speed = 2	Filtration cycle configuration
Temp. units	Un_	°F = 0 °C = 1	Displayed temperature unit
Clock format	CL_	No time displayed = 0 AM/PM mode = 1 24H mode = 2	Clock display mode
Pump 1 high speed current	1__	1 to 20 amps (10)	Current of pump 1 high speed
Pump 1 low speed current	2__	1 to 15 amps (4)	Current of pump 1 low speed
Pump 2 high speed current	3__	1 to 15 amps (10)	Current of pump 2 high speed
Pump 2 low speed current	4__	1 to 15 amps (4)	Current of pump 2 low speed
Blower current	5__	1 to 10 amps (5)	Current of blower
Circ. Pump current	6__	1 to 5 amps (2)	Current of circulation pump
Direct current	7__	0 to 15 amps (1)	Current of the direct output
Heater current	8__	4 to 17 amps (17)	Heater current
Minimum input current	9__	10 to 20 amps	Minimum input current (breaker size)
Input current	b__	15 to 48 (on UL/CSA system) (48) 15 to 32 (on CE system) (32)	Available household current (Maximum input current)

** Offered on certain models only.*

Compatible keypads

List of compatible keypads for your control system (MASTER)

For more information on the compatible keypads for your control system refer to the corresponding Techbook.

K-19 main keypad
LED display, 4 keys

K-35 main keypad
LED display, 6 keys

in.k200 main keypad
LED display, 4 keys

in.k600 static main keypad
LCD display, 11 keys

K-4 main keypad
LCD display, 8 keys

K-8 main keypad
LCD display, 8 keys

in.k450 main keypad
LCD display, 7 keys

in.k300 main keypad
LCD display, 4 keys

in.k500 main keypad
Color LCD display, 7 keys

in.k800 main keypad
Color LCD display, 10 keys

in.k1000 main keypad
Color LCD capacitive touchscreen display

List of compatible keypads for your control system (SLAVE)

For more information on the compatible keypads for your control system refer to the corresponding Techbook.

in.k100 keypad
4 keys

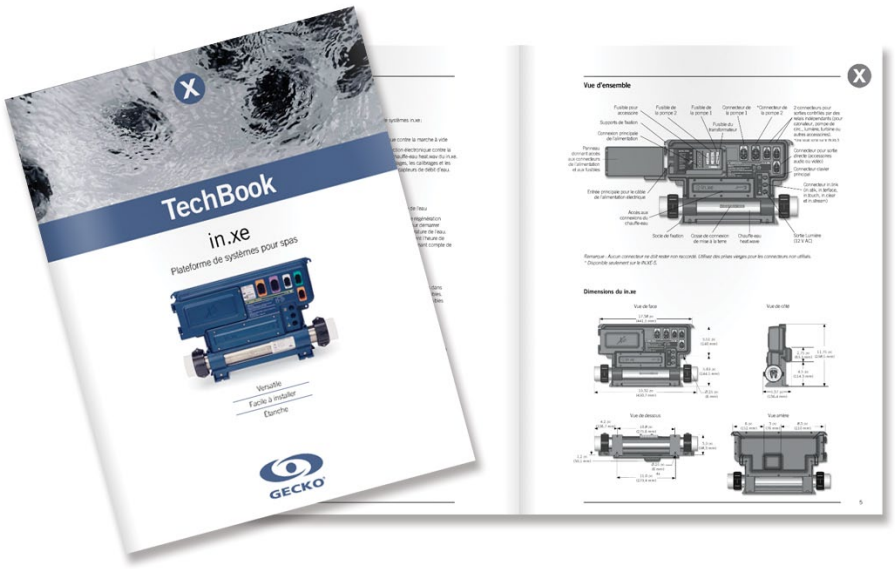
in.k120 keypad
4 keys

Troubleshooting information for your control system

You come across a problem with your control system, for the troubleshooting of your control system, refer to the manual: Troubleshooting guide

Specifications

For more information on the specifications concerning the outputs of a specific control system, refer to the corresponding techbook.



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