Installation and operating instructions
for IMage® spa touch and control.
(all models)

Congratulations on your new IMage® spa control.
Please read these instructions carefully before installing the unit.
On receipt of the unit, please check for transport damage immediately.

Standards:
IMage® spa control complies with current rules and standards on safety.
The control with touch pad, temperature sensor and level sensor has been tested against the following standards:
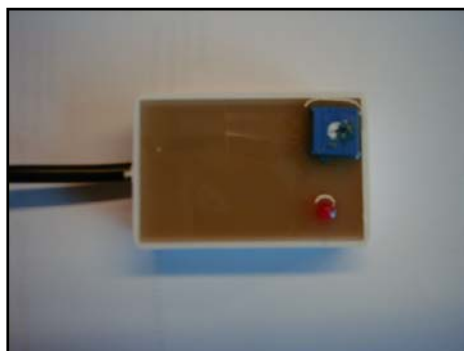EN 60335-2-60, EN 55014-1, EN 55014-2, EN 61000-3-2 + A1 + A12 + A2, EN 61000-3-3.

Contents

1. Technical data

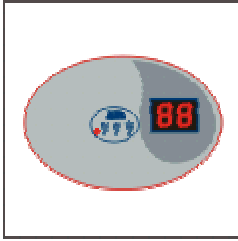| Technical data for IMage® spa control panels. All models.	
Voltage	220-230 V, 50 Hz
Wattage / amperage	550 - 2300 watt. Please see contents part 2 & 3 spec.
Touch pad / digital control panel	3-core cable, 2 m. Touch pad dimensions: 104 • 74 mm Building-in dimensions: 96.5 • 67 mm (oval) Building-in dimensions for "stand-up": Ø24 mm. Stand-up height: 93 mm
Touch pad / standard control panel	4, 6 or 8-core cable, 2 m. Touch pad dimensions: 85 • 64 mm Building-in dimensions: 77.5 • 56 mm (oval) Building-in dimensions for "stand-up": Ø24 mm. Stand-up height: 85 mm
Automatic drying of the air channel after the bath is finished.	Control units which have connection for blower, have also automatic drying of the air channel. The blower starter aut. after 20 min. after the water has left the tub.
Level sensor	3-core cable, 1 m. Dimensions: 47 • 31 mm.
Temperature sensor	3-core cable, 2 m, PG 7
Control box	Dimensions: 158 • 118 • 81 mm, PG 7 – PG 9 cable entries
Timer function	**All functions have a 20-minute interval. Functions are thus automatically disconnected after 20 minutes' operation.**

Level sensor. (Dry running safety system)

The level sensor (**LS**) <u>must</u> be installed in order to protect the pump, spa lighting and any externally fitted electric heater. <u>The blower is independent of the **LS**</u>.
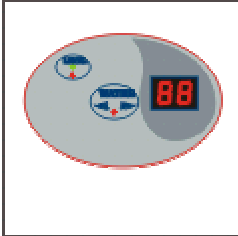
- Affix **LS** to rear of acrylic tub using silicone adhesive.
- **LS** must be positioned at least 2 cm above upper nozzle.
- The location must be accessible in order to allow any subsequent adjustment of the trimmer even when tub is built into position. The trimmer has a white screw, which can be turned either clockwise or anti-clockwise.
- Check that light-emitting diode goes on when water level in tub covers more than 85% of **LS**. Otherwise, adjust trimmer.
  Check that light-emitting diode goes off when water level no longer covers **LS**. Repeat test if necessary.
  LS has a delay of approx. 25 seconds, i.e. when light-emitting diode on **LS** goes on, it takes about 25 seconds before level indicator on touch pad changes to green. (Only on models with level indicator.)
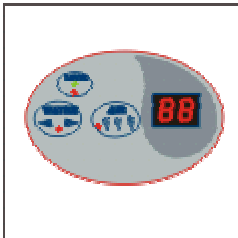
2. Control with digital temperature display

Type: 64-102010-1. 1-function.

- Blower on/off.
- Temperature display.
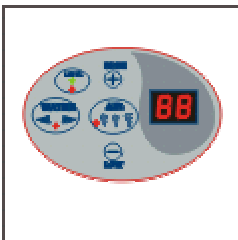- Automatic drying of the air channel.
- Max 1100 watt.

Type: 64-102012-1. 1-function.

- Therapy pump on/off.
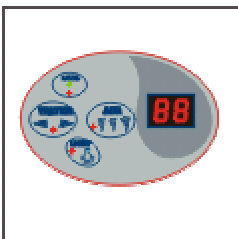- Temperature display.
- Level indicator.
- Max 1100 watt.

Type: 64-102020-1. 2-function.   Type: 64-112020-1 as stand-up model.

- Therapy pump on/off.
- Blower on/off.
- Temperature display.
- Level indicator.
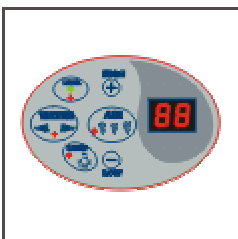- Automatic drying of the air channel.
- Max 2300 watt.

Type: 64-102030-1. 3-function.   Type 64-112030-1 as stand-up model.

- Therapy pump on/off.
- Blower on/off and variable speed, levels 1-20.
- Temperature display.
- Level indicator.
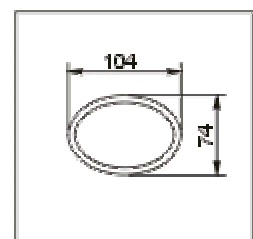- Automatic drying of the air channel.
- Max 2300 watt.

Type: 64-102031-1. 3-function.   Type 64-112031-1 as stand-up model.

- Therapy pump on/off.
- Blower on/off.
- Lighting on/off.
- Temperature display.
- Level indicator.
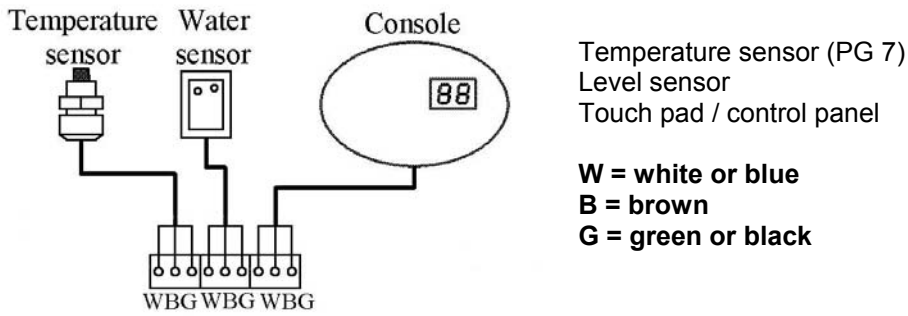- Automatic drying of the air channel.
- Max 2300 watt.

Type: 64-102040-1. 4-function.   Type 64-112040-1 as stand-up model.

- Therapy pump on/off.
- Blower on/off and variable speed, level 1-20.
- Lighting on/off.
- Temperature display.
- Level indicator.
- Automatic drying of the air channel.
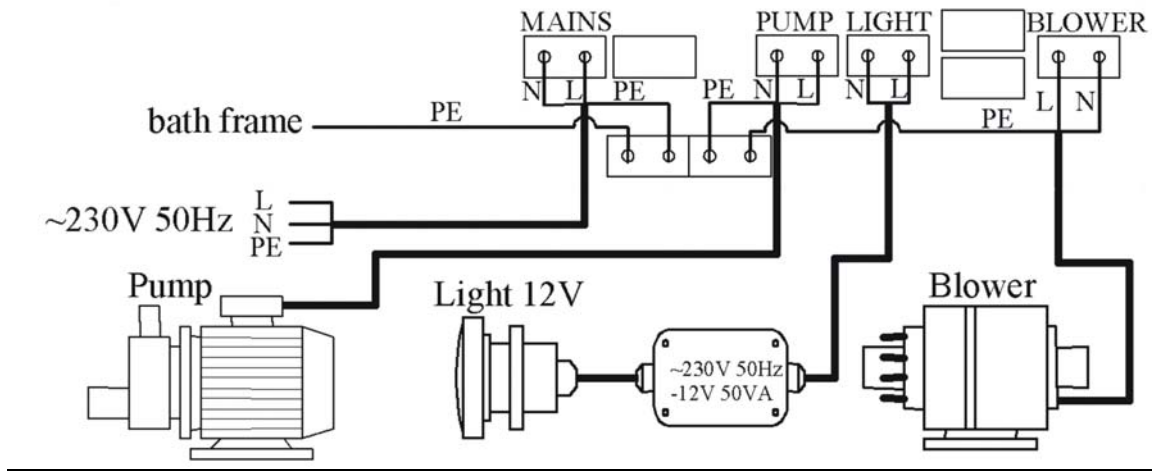- Max 2300 watt.

Outside dimensions

104

74

Connections for control current, etc.

Temperature sensor (PG 7)
Level sensor
Touch pad / control panel

W = white or blue
B = brown
G = green or black

Connection for 230 volt, etc.

(The spa lighting terminal must be connected to an external 230 / 12 V AC transformer.)
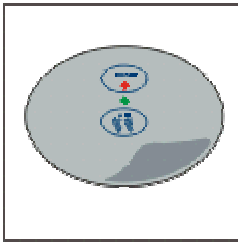

Note that the earth terminal in the control (PE) must be connected to the tub frame by an earth wire (yellow/green) of at least 2.5 mm².
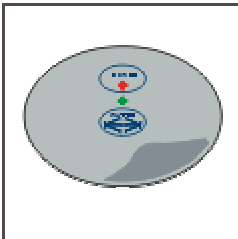

Example of spa, with "stand-up" touch pad.

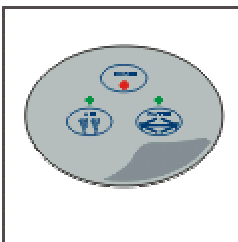# 3. Standard control without digital temperature display

Type: 64-101010-1. **1-function.**
- Blower on/off.
- Power indicator.
- Automatic drying of the air channel.
- Max 800 watt.

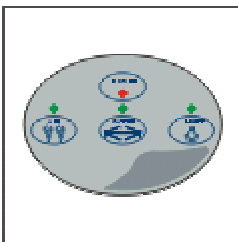**Type: 64-101012-1. 1-function.**
- Therapy pump on/off.
- Power indicator.
- Max 550 watt.

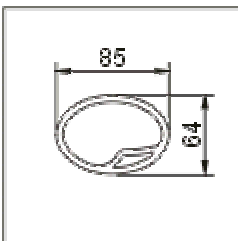**Type: 64-101020-1 2-function.   Type 64-111020-1 as stand-up model.**
- Therapy pump on/off.
- Blower on/off.
- Power indicator.
- Automatic drying of the air channel.
- Max 1300 watt.

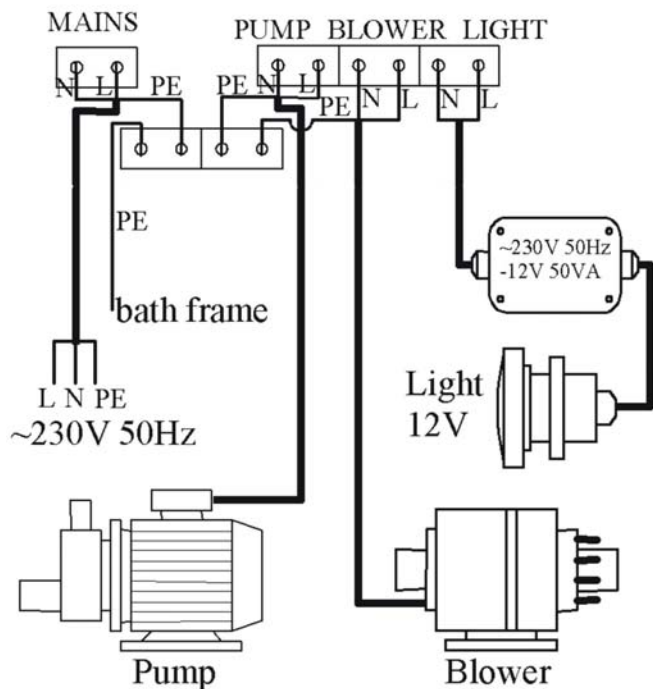**Type: 64-101030-1**. **3-function.   Type 64-111030-1 as stand-up model.**
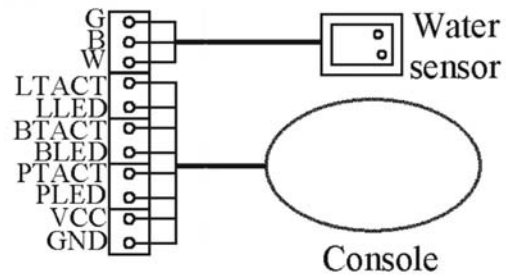- Therapy pump on/off.
- Blower on/off.
- Lighting on/off.
- Power indicator.
- Automatic drying of the air channel.
- Max 1400 watt.

Outside dimensions

Connections for control current, etc.

(The spa lighting terminal must be connected to an external 230 / 12 V AC transformer.)

Note that the earth terminal in the control (PE) must be connected to the tub frame by an earth wire (yellow/green) of at least 2.5 mm².

Level sensor wires
G = black
B = brown
W = blue

Touch pad / control panel wiring
(All)
GND = white
ACC = brown

Touch pad with 4-core cable:	Touch pad with 6-core cable:	Touch pad with 8-core cable:
BLED = green	BLED = green	PLED = green
BTACT = yellow	BTACT = yellow	PTACT = yellow
	LLED = grey	BLED = grey
	LTACT = pink	BTACT = pink
		LLED = blue
		LTACT = red