Gecko seatcontrol 1 & 7

Technical Integration Guide



Table of Contents

1. Warnings....4

1.1 General....4

1.2 Maintenance....5

1.3 Accessory parts....5

1.4 Disposal of the product....5

2. Introduction....6

2.1. Purpose....6

2.2. Intended Audience....6

2.3. Scope....7

3. Product Overview....8

3.1. Product Description....8

3.2. Key Features....8

3.3. Available Models....10

4. Technical Specifications....11

4.1. Environmental Specifications....11

4.2. Physical Specifications....11

4.3. Electrical Specifications....11

4.4. Regulatory Certifications....12

5. Installation Guidelines....13

5.1. Integration Requirements....13

5.1.1. Environmental Consideration....13

5.1.2. Water Intrusion Protection....13

5.1.3. Approved Orientations....14

5.1.4. Installation Location....14

5.2. Installation.....15
5.2.1. Required Tools.....15
5.2.2. Preparation.....15
5.2.3. Mounting Procedure.....16
5.2.4. Alternate Mounting.....19
5.2.5. Cable Connection procedure.....20
5.2.6. Cleaning (end of procedure).....22

6. Service.....23

6.1. Serviceable Parts.....23
6.2. Replacement Procedure.....23

7. Appendices.....26

Appendix A – Mechanical Drawings.....26
Appendix B – CAD Drawings.....32
Appendix C – Revision History.....33

1. Warnings

⚠️ WARNING: BEFORE INSTALLING OR CONNECTING THE UNIT, PLEASE READ THE FOLLOWING:

FAILURE TO COMPLY WITH THE FOLLOWING WARNINGS MAY SIGNIFICANTLY SHORTEN THE PRODUCT'S LIFETIME, AND LEAD TO FAILURES AS WELL AS HAZARDOUS CONDITIONS*. COMMON SENSE MUST ALWAYS PREVAIL WHEN EVALUATING THE INSTALLATION AND/OR USE OF ANY ELECTRONIC CONTROL IN A FINAL APPLICATION.

1.1 General

- RESPECT ENVIRONMENTAL CONDITIONS LISTED IN THE PROVIDED DOCUMENTATION.
- THIS UNIT MUST BE INSTALLED BY QUALIFIED PERSONNEL.
- ONLY QUALIFIED PERSONNEL ARE TO SERVICE THIS UNIT. THERE ARE NO USER SERVICEABLE PARTS INSIDE.
- THIS UNIT SHOULD BE INSTALLED ON A CLEAN FLAT SURFACE.
- THE GASKET ON THE BACK OF THE UNIT WILL PREVENT WATER INFILTRATION INSIDE, BEHIND THE MOUNTED SURFACE. IF THE GASKET IS DAMAGED, SEAL THE BACK OF THE UNIT WITH SILICONE TO AVOID ANY LEAKAGE BEHIND THE MOUNTED SURFACE. (USE "ELECTRONIC-GRADE". "NEUTRAL CURE" OR "NON-CORROSIVE" SILICONE; STANDARD SILICONE RELEASES ACETIC ACID DURING THE CURING PROCESS THAT CAN CAUSE CORROSION AND DAMAGES TO ELECTRINIC CIRCUITRY.)
- THIS UNIT MUST BE MOUNTED ON THE OUTSIDE EDGE OF THE SPA. SEE INSTALLATION SECTION FOR DETAILS.
- THE BACK OF THIS UNIT SHOULD NOT BE ENCLOSED IN A WAY THAT CAUSES WATER TO COLLECT. SEE INSTALLATION SECTION FOR DETAILS.
- *HAZARDOUS CONDITION:
    - A CONDITION THAT IS POTENTIALLY DAMAGING AND/OR DANGEROUS TO THE OPERATOR OR SURROUNDINGS.

- THIS INCLUDES, BUT IS NOT LIMITED TO: FIRE, FLOODING OR OTHER WATER DAMAGE, DIELECTRIC BREAKDOWNS (PRESENCE OF HIGH VOLTAGE), ETC.

1.2 Maintenance

- IF YOU HAVE PROBLEMS, DO NOT ATTEMPT TO REPAIR THE UNIT YOURSELF. RETURN IT TO YOUR DEALER OR SERVICE STATION FOR SERVICING.
- KEEP THE SPA COVER CLOSED WHEN NOT IN USE TO PROTECT FROM UV, HEAT AND DEBRIS.

1.3 Accessory parts

- BE SURE TO USE ONLY THE SPECIFIED ACCESSORY PARTS. USE OF OTHER THAN DESIGNATED PARTS MAY DAMAGE THIS UNIT INTERNALLY OR MAY NOT SECURELY INSTALL THE UNIT IN PLACE. THIS MAY CAUSE PARTS TO BECOME LOOSE RESULTING IN HAZARDS OR PRODUCT FAILURE

1.4 Disposal of the product

- THE APPLIANCE (OR THE PRODUCT) MUST BE DISPOSED OF SEPARATELY IN ACCORDANCE WITH THE LOCAL WASTE DISPOSAL LEGISLATION IN FORCE



2. Introduction

2.1. Purpose

The purpose of this Technical Integration Guide is to provide spa manufacturers, OEMs, integrators, and service personnel with the technical information required to successfully integrate, install, and service **Gecko seatcontrol 1** and **7.**

This guide consolidates the hardware requirements, installation guidelines, wiring information, troubleshooting information, and service instructions necessary for a successful product integration.

This document is the primary technical reference for the integration of **Gecko seatcontrol 1** and **7** into compatible spa systems.

2.2. Intended Audience

This document is intended for:

- OEM spa manufacturers
- Product integration engineers
- Production and assembly technicians
- Electrical installers
- Service technicians
- Technical support personnel

2.3. Scope

This Technical Integration Guide covers the complete hardware integration of **Gecko seatcontrol 1** and **7**, including:

- Technical specifications
- Integration requirements
- Installation guidelines
- Wiring and electrical connections
- Troubleshooting procedures
- Service and replacement procedures

Software applications, firmware release notes and mobile application documentation are covered in their respective product documentation when applicable.

3. Product Overview

3.1. Product Description

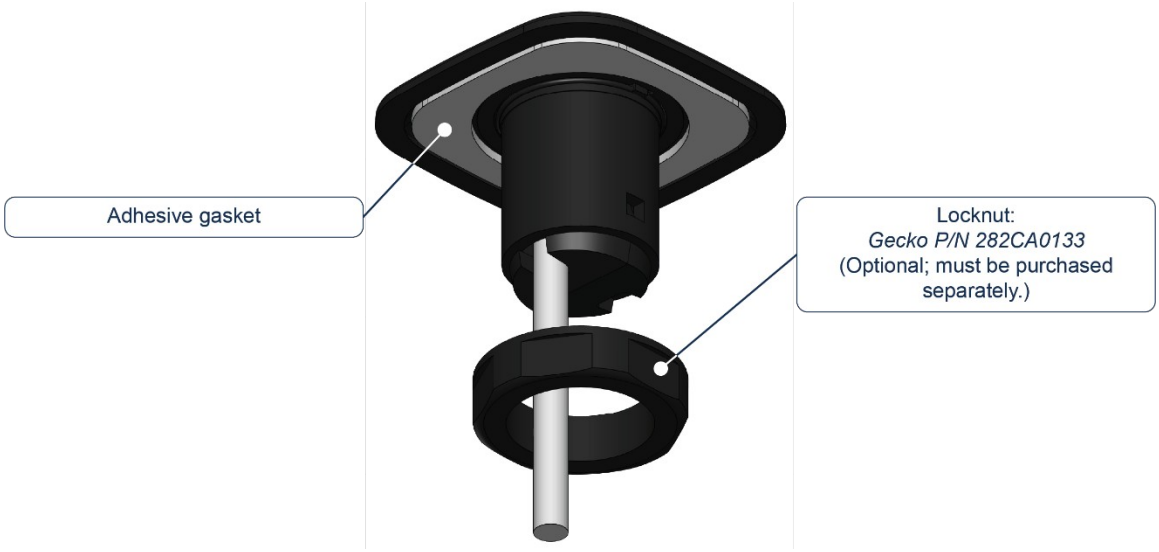
Gecko seatcontrol 1 (single button keypad) and **Gecko seatcontrol 7** (up to 7 buttons keypad) are auxiliary control interfaces that can be installed on the spa topside at the opposite side of the main control interface. They allow the spa user to activate the common spa features from their seat without moving to the main control interface. They are connected to **Gecko smartbox**, the logic center of the spa components.

3.2. Key Features

Gecko seatcontrol 1

- Compatible with **Gecko smartbox**.
- No display.
- Single button is NOT backlit.



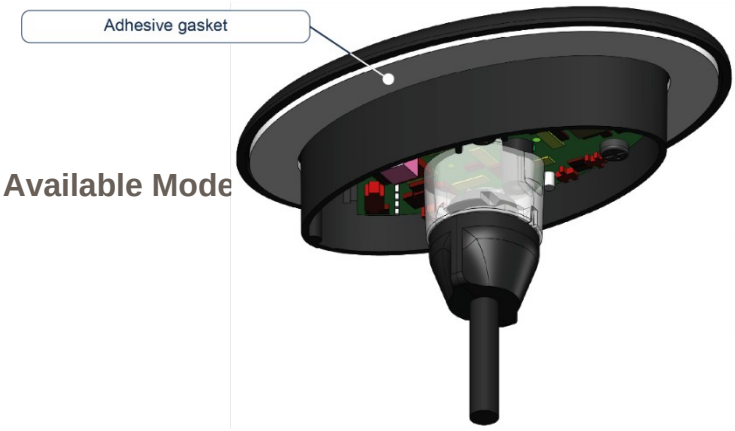


Gecko seatcontrol 7

- Compatible with **Gecko smartbox**.
- No display.
- Up to 7 buttons that are backlit by white LEDs.



3.3. Available Mode



Gecko seatcontrol 1

- CI-E1-00-SEATCONTROL1-K1-CP20MTA (Part Number: **2007-000006**)
    - Faceplate, overlay and adhesive gasket are not included. This model is intendent for OEM who purchase their own custom faceplate.
    - Comes with a 20 ft non-removable cable.
- CI-E1-01-SEATCONTROL1-K1-FBK-IAD-CP20MTA-NO (Part Number: **2007-000007**)
    - Comes with the standard faceplate.
    - Overlay is not included.
    - Comes with a 20 ft non-removable cable.

Gecko seatcontrol 7

- CI-D1-01-SEATCONTROL7-K7WH-FCL-IAD-CP20MTA-NO (Number: **2007-000004**)
    - Comes with the Clear plastic enclosure.
    - Overlay is not included.
    - Comes with a 6 inches non-removable cable + a 20 ft extension cable.
- CI-D1-01-SEATCONTROL7-K7WH-FBK-IAD-CP20MTA-NO (Number: **2007-000005**)
    - Comes with the standard Black enclosure.
    - Overlay is not included.
    - Comes with a 6 inches non-removable cable + a 20 ft extension cable (Number: **9920-401786**).

4. Technical Specifications

4.1. Environmental Specifications

Parameter	Gecko seatcontrol 1	Gecko seatcontrol 7
Operating temperature	-20°C to 50°C (-4°F to 122°F)	
Storage temperature	-30°C to 70°C (-22°F to 158°F)	
Water ingress protection	IPX5	
UV	UV resistant	

4.2. Physical Specifications

Parameter	Gecko seatcontrol 1	Gecko seatcontrol 7
Weight	0.12 kg (0.26 lb)	0.34 kg (0.75 lbs)
Dimensions (W x H x D)	45 x 45 x 28 mm (1.79 x 1.79 x 1.10 in)	91 x 55 x 41 mm (3.58 x 2.15 x 1.60 in)

4.3. Electrical Specifications

Parameter	Gecko seatcontrol 1	Gecko seatcontrol 7
Power source	Supplied by **Gecko smartbox**	
Input rating	5 Vdc	

4.4. Regulatory Certifications

Region	Gecko seatcontrol 1	Gecko seatcontrol 7
Canada	CSA C22.2 No. 218.1	
United States	UL 1563	
Europe	IEC 60335-2-60:2017 for use in conjunction with IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016 EN IEC 60335-2-60:2023 + A11:2023 EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 + A16:2023 EN 62233:2008	
Australia / New Zealand	AS/NZS 60335.2.60:2018 AS/NZS 60335.1:2020+A1:2021	

5. Installation Guidelines

5.1. Integration Requirements

Gecko seatcontrol 1 and **7** must be installed on a rigid, flat and accessible spa topside surface with sufficient clearance behind the unit for cabling. Review the location and mechanical requirements below before cutting the panel.

5.1.1. Environmental Consideration

Do not install **Gecko seatcontrol 1** and **7** near heat sources, such as the motor of a pump.

The enclosure must always remain vented at the rear. Avoid airtight shipping or storage packaging, which can trap moisture and cause condensation inside the unit.

Do not install the unit in contact with thermal insulation.

5.1.2. Water Intrusion Protection

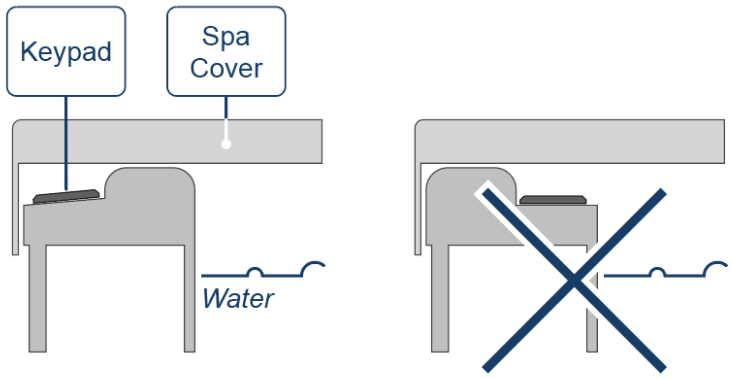
Gecko seatcontrol 1 and **7** are rated IPX5 against water intrusion when installed in an approved orientation with the gasket and seal intact. This rating applies only to the front face; the rear of the enclosure and connectors must remain protected from direct water exposure inside the spa cabinet.

If the sealing gasket is damaged, reseal the unit using an electronic-grade, neutral-cure, non-corrosive silicone sealant.

Do not install the unit where water can accumulate behind the enclosure.

5.1.3. Approved Orientations

The **Gecko seatcontrol 1** and **7** must be installed face-out. Face-in installation is not authorized.



5.1.4. Installation Location

Accessibility - Mount the **Gecko seatcontrol 1** and **7** where the rear connections remain reachable during installation and servicing. Once installed and sealed, routine end-user operation requires no rear access.

The back of the unit should not be enclosed where water can gather, but instead in a cut out.

When the keypad is installed in a molded recess of the spa shell (butterdish), make sure to use an adapter plate if needed to ensure adequate bonding area of the keypad to the spa. The bottom of the molded recess should also have openings to provide aeration and avoid water accumulation.

Make sure that the spa cover can never get in contact with the keypad surface. Sagging of the spa cover needs to be taken into consideration as it ages and accumulates water. The distance between the keypad and the spa cover (when closed) should be greater than 1 cm (1/2 in) to prevent unwanted key activation.

5.2. Installation

5.2.1. Required Tools

Gecko seatcontrol 1

- Cut-out template (see section *7. Appendices*)
- Drill + drill bit 22 mm (7/8 in)
- Solvent wipe suited to the cabinet substrate (for surface preparation)

Gecko seatcontrol 7

- Cut-out template (see section *7. Appendices*)
- Drill + drill bit 13 mm (1/2 in)
- Robotic router (preferred); Alternative tool options:
    - Oscillating tool
    - Jig saw
- Solvent wipe suited to the cabinet substrate (for surface preparation)

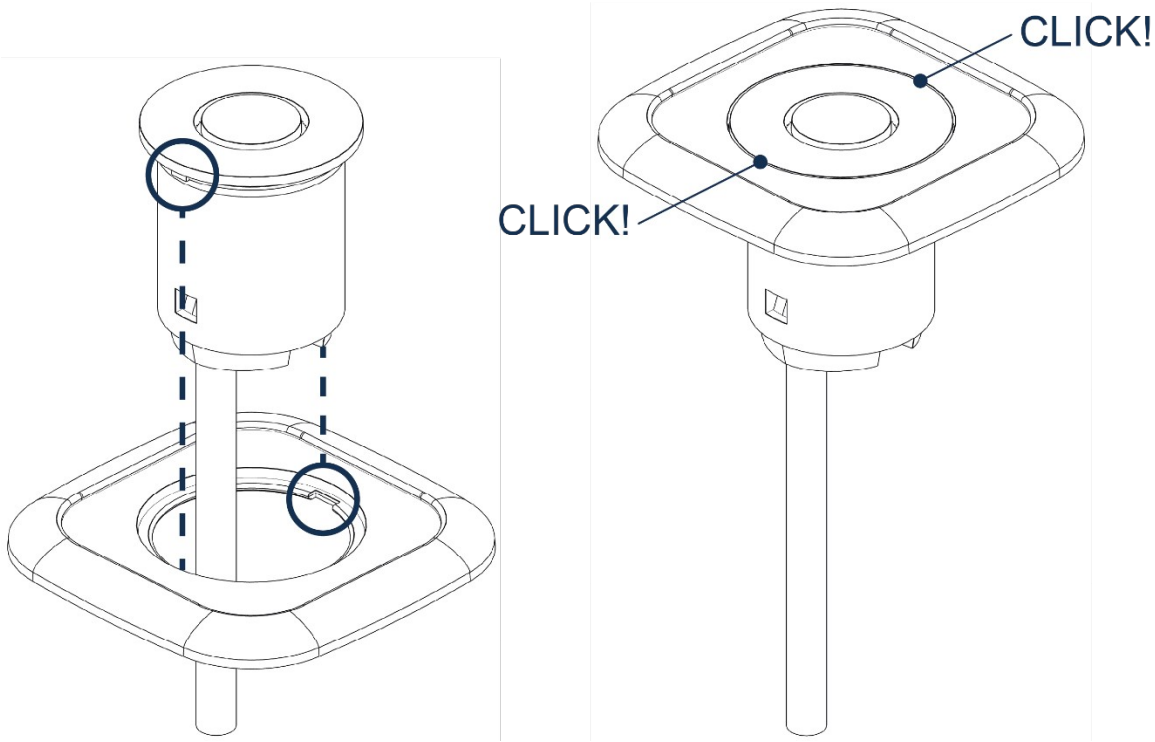
5.2.2. Preparation

To install **Gecko seatcontrol 1** and **7**, use the spa drilling templates provided in this document (see section *7. Appendices*):

1. Determine the mounting location and stick the template on the chosen location.
2. Cut out an opening according to the template.
3. To obtain optimum adhesion, clean the bonding surface so it is dry and free of dust, oil, or mold-release residue, and wipe it with a solvent suited to the cabinet substrate before mounting.

For OEM who purchase their own **Gecko seatcontrol 1** custom faceplate: The **Gecko seatcontrol 1** faceplate clips onto the main housing from the back.

1. Pass the cable through the faceplate opening.
2. Align the two grooves of the faceplate with the two small clips of the housing.
3. Manually clip the faceplate onto the housing.



5.2.3. Mounting Procedure

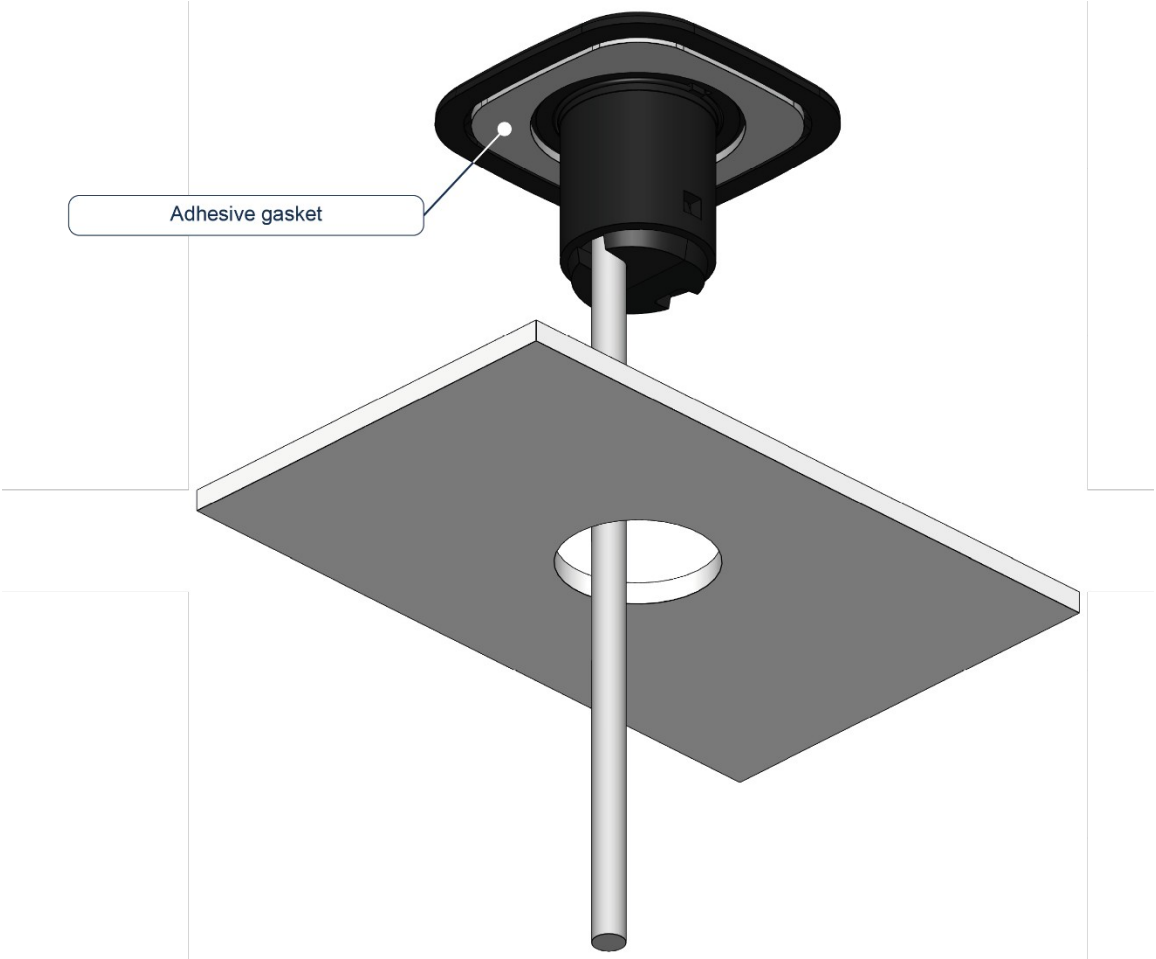
1. Verify that the mounting surface is flat before installing **Gecko seatcontrol 1** or **7**.
2. Peel off the adhesive gasket liner from the back of the keypad.
3. Align the unit in the cut-out and press it evenly against the panel.

Notes : The adhesive reaches approximately 50% of final strength after 20 minutes, 90% after 24 hours, and full strength after 72 hours. Avoid mechanical stress on the unit during this curing period.

⚠ WARNING: THE USE OF SILICONE IS NOT SUGGESTED AND IS NOT CONSIDERED AS APPROVED INSTALLATION METHOD. IN CASE OF USE, IT IS ESSENTIAL TO USE “ELECTRONIC-GRADE”, “NEUTRAL CURE” OR “NON-CORROSIVE” SILICONE THAT EXPLICITLY STATES IT IS SAFE FOR ELECTRONICS OR ELECTRICAL COMPONENTS; STANDARD HARDWARE-STORE

SILICONE SCEALANTS RELEASE ACETIC ACID DURING THE CURING PROCESS THAT CAN CAUSE CORROSION AND DAMAGES TO ELECTRONIC CIRCUITRY.

Gecko seatcontrol 1



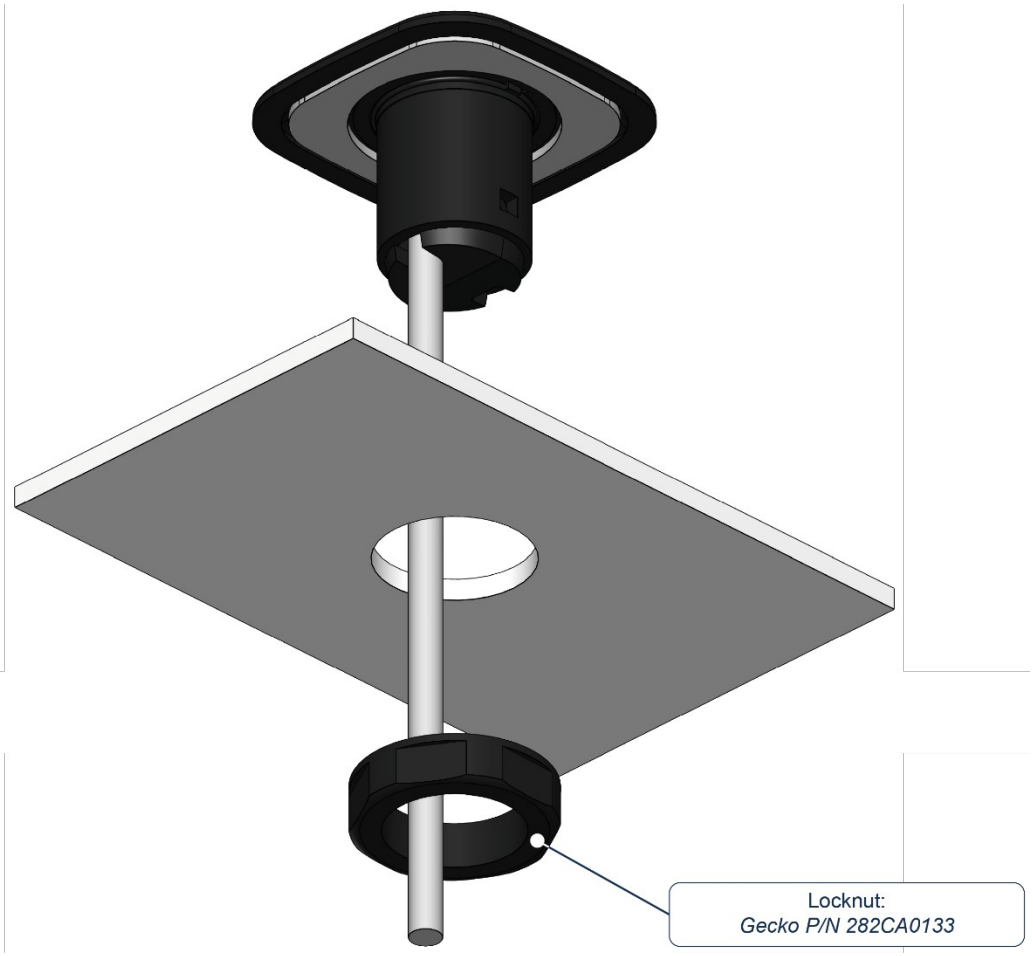
Gecko seatcontrol 7



5.2.4. Alternate Mounting

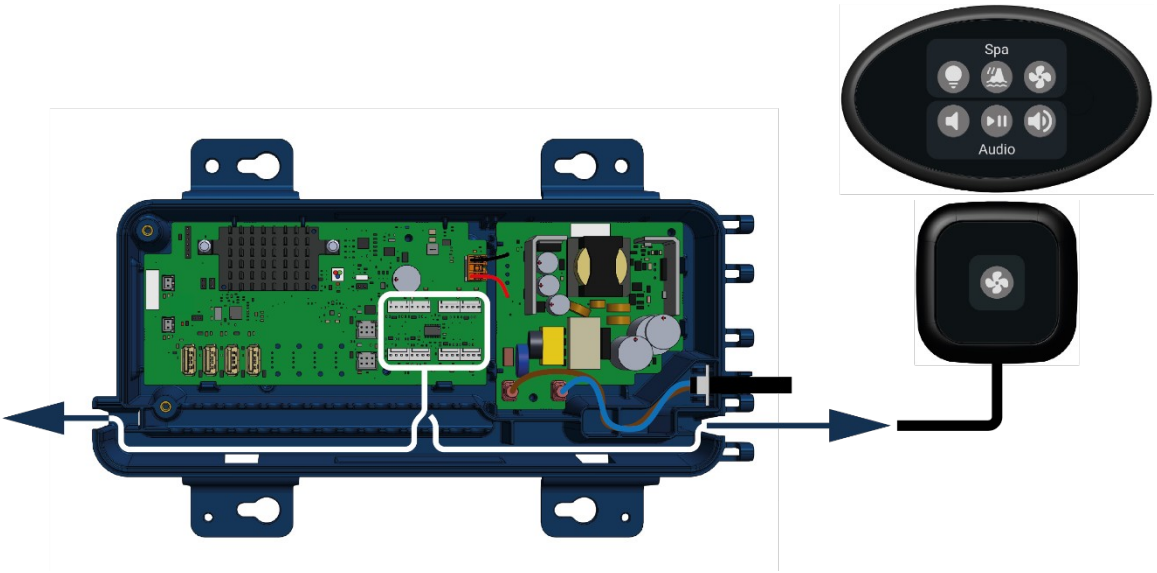
The adhesive gasket provides enough strength for the **Gecko seatcontrol 1** fixation, but an optional locknut can be purchased separately if desired for the spa shell where surface adhesion is not optimal or flatness is not uniform.

- Locknut: *Gecko P/N 282CA0133*
- Recommended torque for the locknut: 0.90 N*m (8 lbf*in)



5.2.5. Cable Connection procedure

Gecko seatcontrol 1 and **7** connect to **Gecko smartbox** using a single cable. Any available General Purpose Input / Output (GPIO) connector of **Gecko smartbox** may be used.



⚠ WARNING: TURN OFF THE POWER BEFORE OPENING THE GECKO SMARTBOX COVER.

To connect **Gecko seatcontrol 1** and **7**, turn off the power and remove the **Gecko smartbox** cover.

Gecko seatcontrol 1

1. Connect the 4 pins MTA-100 connector of the cable to any of the 8 MTA-100 4 pins connectors of the **Gecko smartbox** PCB (as illustrated).

⚠ **CAUTION: Avoid plugging the cable connector into the wrong pins, as this could permanently damage the devices. The cable connector of Gecko seatcontrol 1 is equipped with side tabs to prevent wrong connections, but it is still possible to force a connection to the wrong pins.**

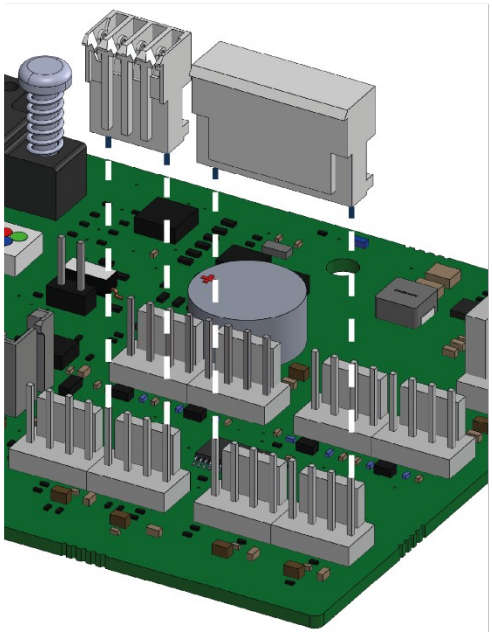
2. Route the cable through the channel on any side of **Gecko smartbox**.
3. Reinstall the **Gecko smartbox** cover and fasten its 2 screws:
    - Recommended torque for the screws: 0.90 N*m (8 lbf*in)

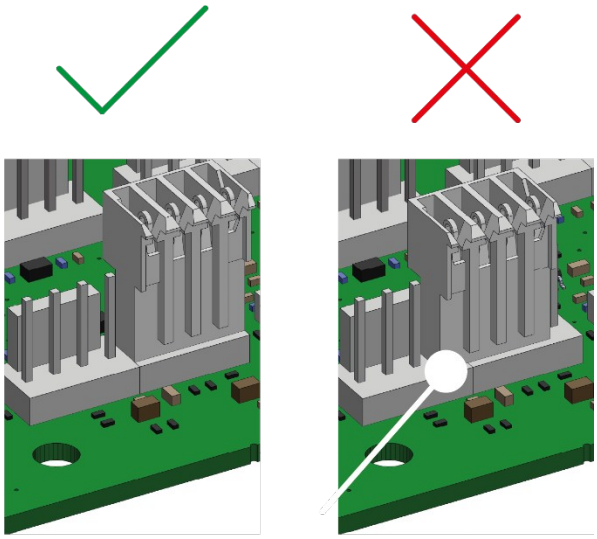
Gecko seatcontrol 7

1. Connect the extension cable's Mini-Din connector to the 6 inches cable's Mini-Din connector of **Gecko seatcontrol 7**.
2. Connect the 8 pins MTA-100 connector of the extension cable to any of the 4 paired MTA-100 4 pins connectors of the **Gecko smartbox** PCB (as illustrated).

⚠️ **CAUTION: Avoid plugging the cable connector into the wrong pins, as this could permanently damage the devices. The cable connector of Gecko seatcontrol 7 is equipped with side tabs to prevent wrong connections, but it is still possible to force a connection to the wrong pins.**

3. Route the cable through the channel on any side of **Gecko smartbox**.
4. Reinstall the **Gecko smartbox** cover and fasten its 2 screws:
    - Recommended torque for the screws: 0.90 N*m (8 lbf*in)





5.2.6. Cleaning (end of procedure)

To clean the Keypad, it is recommended to :

- Use only mild, non-abrasive cleaners.
- Use only microfiber cloth to avoid scratches on the surfaces to be cleaned.
- Avoid the use of abrasive and solvent cleaners (bleach, ammonia-based cleaners, acetone or nail polish remover, etc.)
- Avoid the use of scouring pads.
- Avoid leaving sunscreen, oils, or chemicals on the surface for long periods.

⚠ WARNING: DO NOT CLEAN THE KEYPAD WITH A HIGH-PRESSURE WATER SPRAY.

6. Service

6.1. Serviceable Parts

There is no serviceable part inside **Gecko seatcontrol 1** and **7**. In case of malfunction, the complete unit must be replaced.

For **Gecko seatcontrol 7**, the extension cable can be replaced without removing the unit from the spa:

- 20 ft extension cable: *Gecko P/N 9920-401786*

6.2. Replacement Procedure

⚠ WARNING: TURN OFF THE POWER BEFORE OPENING ANY DEVICE OR UNPLUGGING ANY CABLE.

Gecko seatcontrol 1:

1. Turn off the power and remove the **Gecko smartbox** cover.
2. Disconnect the cable of the **Gecko seatcontrol 1** to be replaced from **Gecko smartbox**.
3. Gently peel the keypad from the spa.
4. Route the cable through the opening of the keypad in the spa shell.
5. Clean the surface of the spa shell to remove completely the adhesive gasket residues of the previous keypad.
6. Follow instructions of section *5.2. Installation* of this document for the installation of the new replacement keypad.

Gecko seatcontrol 7:

1. Turn off the power.
2. Disconnect the extension cable from the **Gecko seatcontrol 7** to be replaced.
3. Gently peel the keypad from the spa.
4. Clean the surface of the spa shell to remove completely the adhesive gasket residues of the previous keypad.
5. Follow instructions of section *5.2. Installation* of this document for the installation of the new replacement keypad.

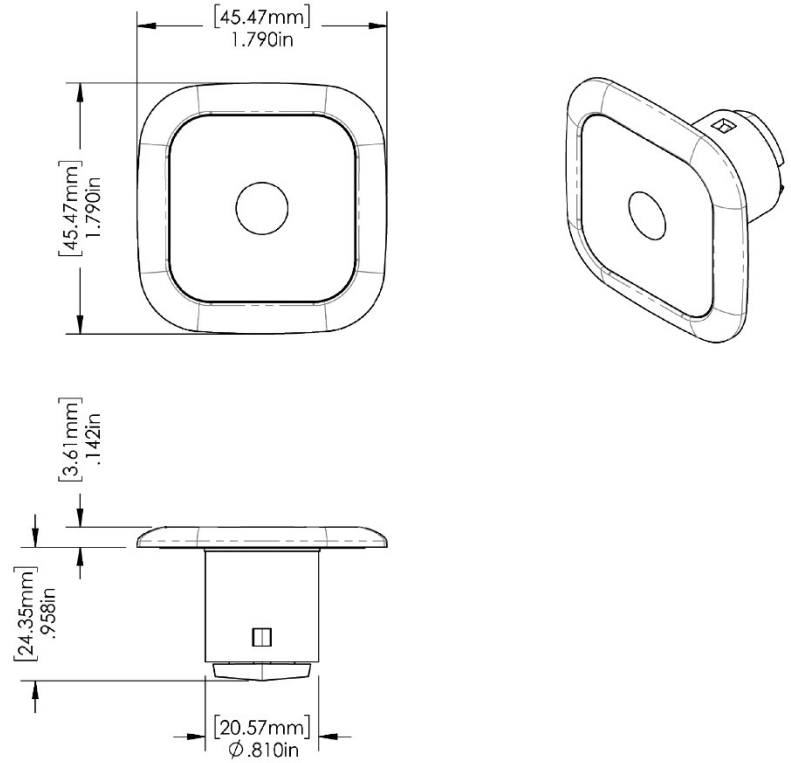
Gecko seatcontrol 7 extension cable:

1. Turn off the power and remove the **Gecko smartbox** cover.
2. Disconnect the extension cable to be replaced from **Gecko smartbox**.
3. Disconnect the extension cable to be replaced from its **Gecko seatcontrol 7**.
4. Remove the extension cable and follow instructions of section *5.2. Installation* of this document for the installation of the new replacement extension cable.

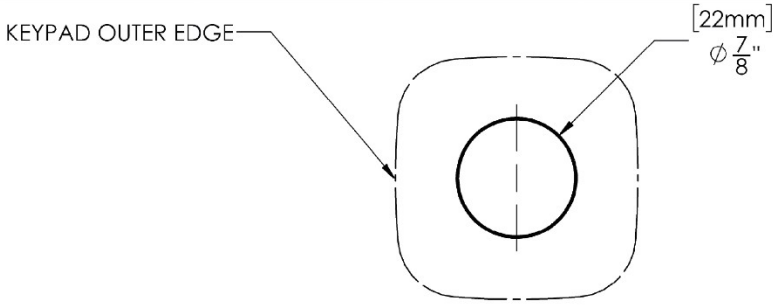
7. Appendices

Appendix A - Mechanical Drawings

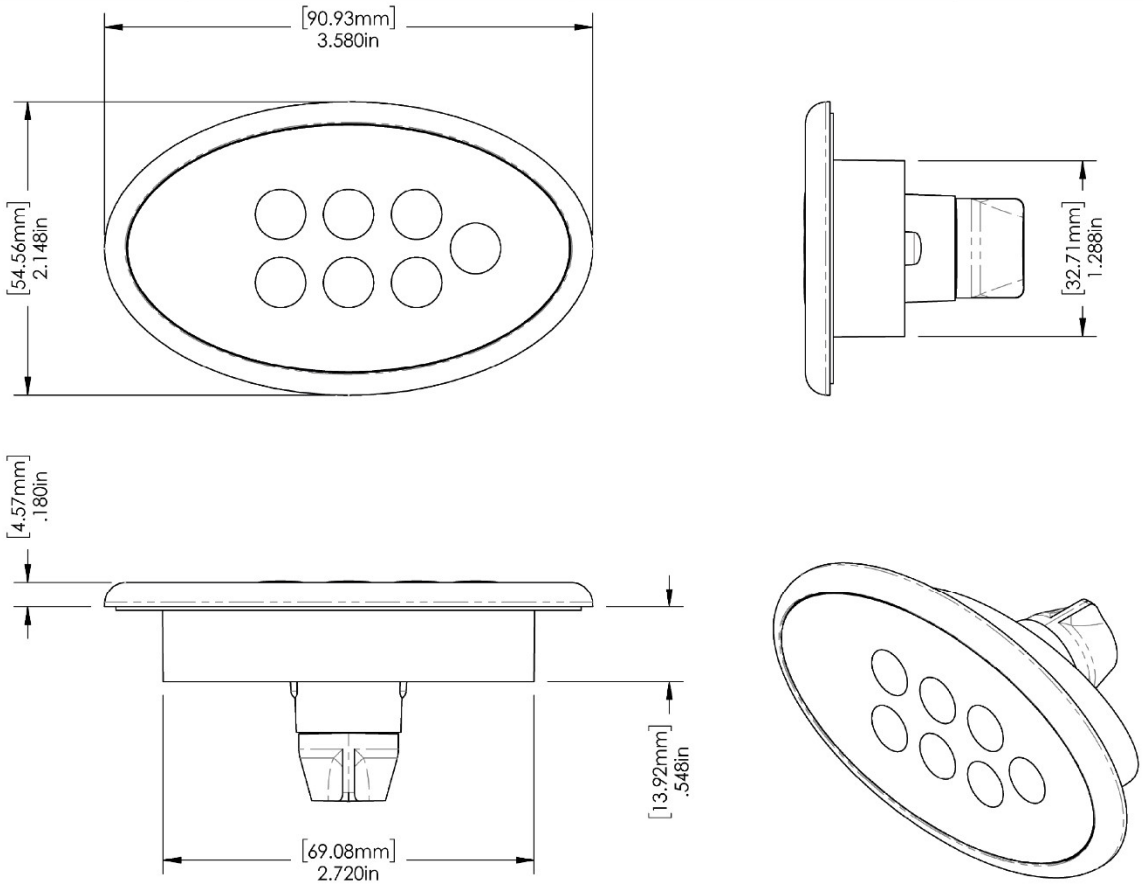
Gecko seatcontrol 1 - Dimensions



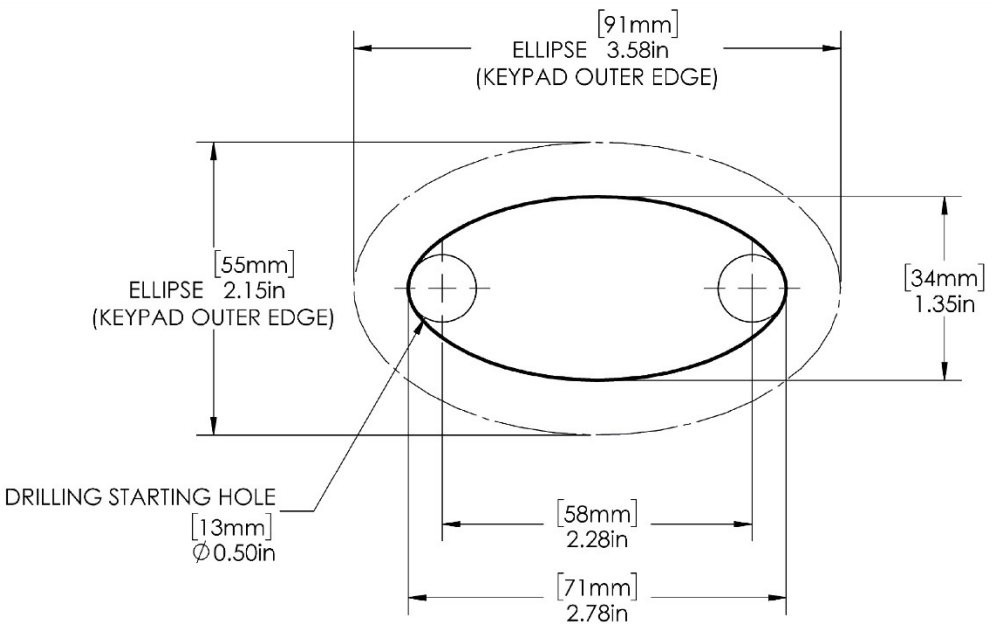
Gecko seatcontrol 1 - Cut-out template (not to scale)



Gecko seatcontrol 7 – Dimensions (not to scale)



Gecko seatcontrol 7 - Cut-out template (not to scale)



Appendix B – CAD Drawings

3D CAD models are available to validate the fit of **Gecko seatcontrol 1** and **7** within the spa design. The following files are available:

- **Gecko seatcontrol 1**
- **Gecko seatcontrol 1 - Cut-out template**
- **Gecko seatcontrol 7**
- **Gecko seatcontrol 7 - Cut-out template**

Appendix C – Revision History

Part number	Version	Date	Details	Author
	A	June 2026	First release.	Nancy Gagnon
	V1b1	September 2026	Review add clear plastic version of SCC7	Mathieu R.