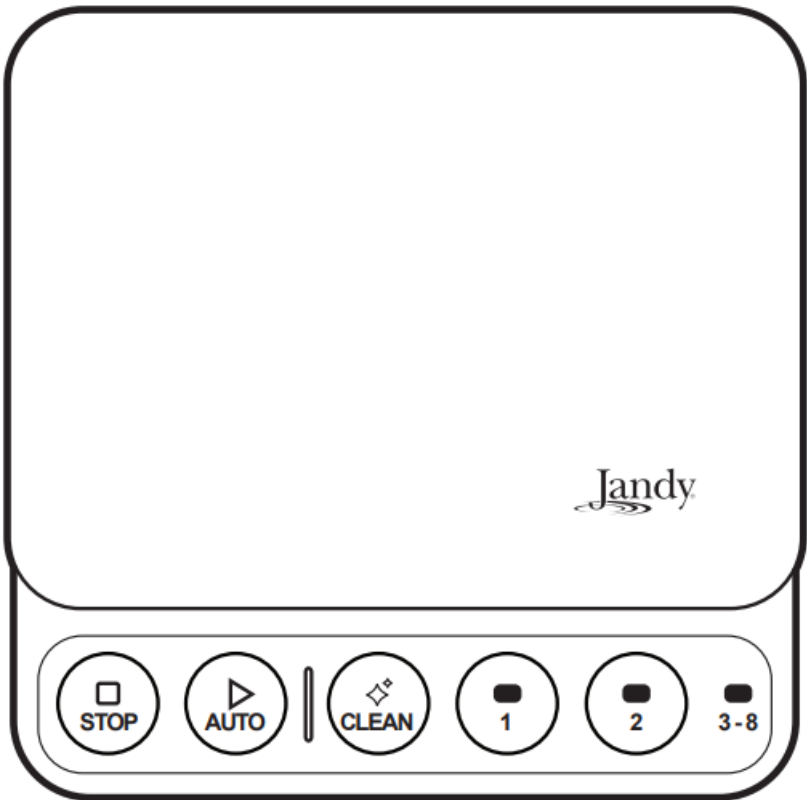




Jandy SpeedSet Variable-Speed Pump Controller User Guide

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Jandy SpeedSet Variable-Speed Pump Controller



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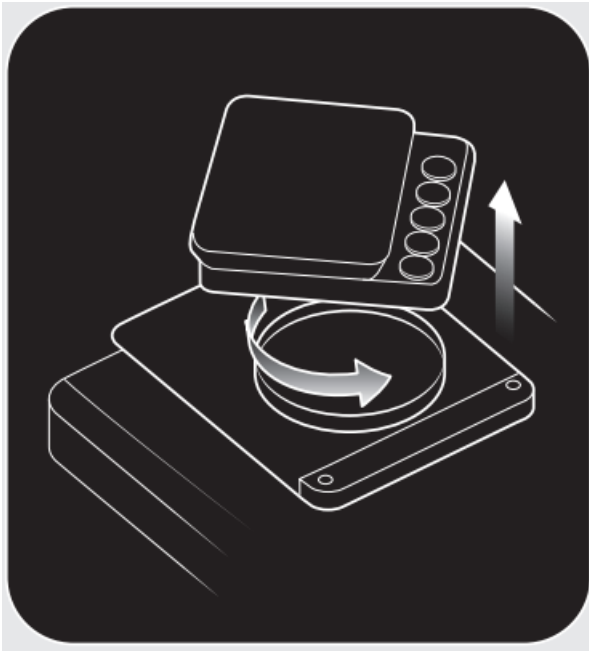
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REPOSITIONING

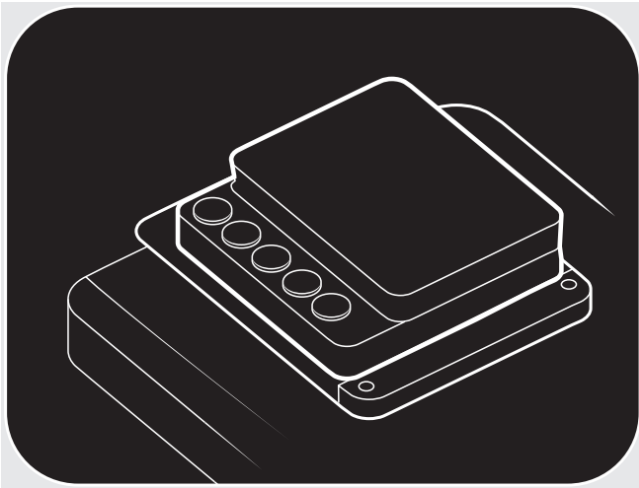
1. Rotate counter-clockwise to remove.



2. Move to desired position



3. Rotate clockwise to secure.



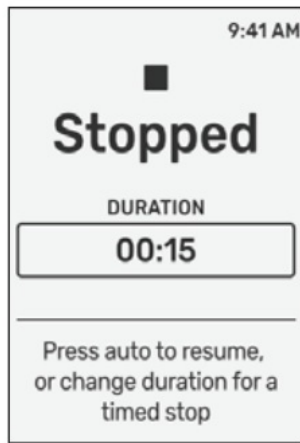
i Rotatable in 4 positions or removable for wall mounting with R-Kit (R0958100).

RECOMMENDED SETUP STEPS

1. Program all SETTINGS (Press MENU and select Settings) to meet pool requirements. Defaults are provided. It is highly recommended the defaults be reviewed and adjusted as needed.
2. Program AUTO schedules (Press MENU and select Auto Schedules) for desired speeds and start/stop times. One default schedule is provided

i Navigating vs. Editing

When navigating, a dark background indicates the field is editable. Select the field to remove the dark background and begin editing.
















3. Program TIMED RUNS (Press MENU and select Timed Runs). CLEAN-1-2 are preprogrammed and can be edited or deleted. Virtual TIMED RUNS 3-8 are not preprogrammed.

USING THE SPEEDSET CONTROLLER

i Only use fingers when programming. Other objects may damage the controller buttons.



LED LIGHT INDICATORS

				   	
 Solid Red	 Pump stopped indefinitely	 Solid Green	Daily schedules will run as programmed	Solid Green	TIMED RUN is currently running
 Solid Yellow	TIMED STOP	 Blinking Green	Daily schedule is running with a manual override speed	 Blinking Green	TIMED RUN is currently running with a manual override time and/or speed
		 Solid Yellow	Controller Disabled – Pump is controlled by automation system		

Manual overrides can be used to temporarily adjust speed or duration while a schedule or TIMED RUN is operating.

- AUTO schedules: Only speed can be adjusted through manual override
- CLEAN / TIMED RUNS 1-8: Both speed and duration can be adjusted through manual override

PROGRAMMING PUMP AUTO SCHEDULES AND TIMED RUNS – ACCESS VIA MENU

Morning
7AM 1200RPM ON
9AM

Mid-Day
11AM 2950RPM ON
9AM

Vacuum
3PM 2950RPM ON
9AM

Spa
9PM 2500RPM ON
9AM

Evening
7PM 1200RPM OFF
9AM

NEW SCHEDULE

Auto Schedules

- Up to 10 schedules can be created.
- Choose from preset names or create a custom name.
- AUTO schedules default to run every day of the week. Edit the schedule to change the days.
- If two or more schedules overlap, the schedule with the highest RPM speed will take precedence.
- AUTO schedules can be turned OFF. The schedule will remain in memory but will not run at the scheduled time until turned back ON.
- The speed of an AUTO schedule currently running may be manually overridden to a higher or lower speed for the duration of the current schedule.

Timed Runs

- CLEAN plus 1-8 provides up to 9 customizable TIMED RUNS.
- Choose from preset names or create a custom name. CLEAN name cannot be changed.
- Duration range allowed is 15 minutes to 24 hours.
- When a TIMED RUN is complete, pump always returns to AUTO mode.
- The speed and duration of a currently running TIMED RUN can be temporarily overridden.
- TIMED RUNS can be deleted. When deleted, the associated button will become inoperable until reprogrammed.



WARNING

To prevent risk of electrical shock which can result in severe injury or death, ENSURE that the pump is OFF and power to the pump is disconnected before proceeding with installation. To reduce the risk of electric shock, fire or injury, service should only be attempted by a qualified pool service professional

FOR YOUR SAFETY This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation may void the warranty. Improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death. Turn off the pump and the main breaker in the pump electrical circuit when servicing.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the

FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

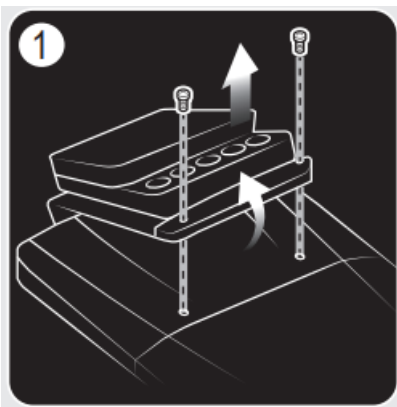
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

CONNECTING TO AUTOMATION

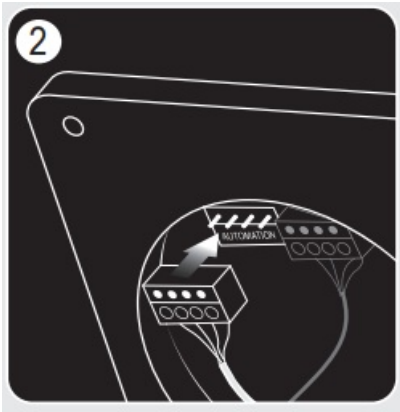
The Jandy® SpeedSet™ controller supports automation wiring pass-through. When connected to an automation system, the Speed Set controller will pass automation commands to the variable-speed pump. This setup also allows for temporary local control of the pump using the Speed Set controller.

Automation System Wiring

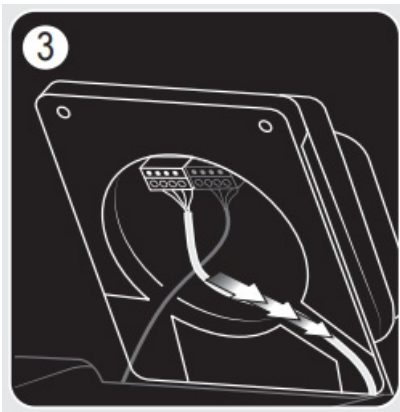
1. Loosen screws and lift hinge.



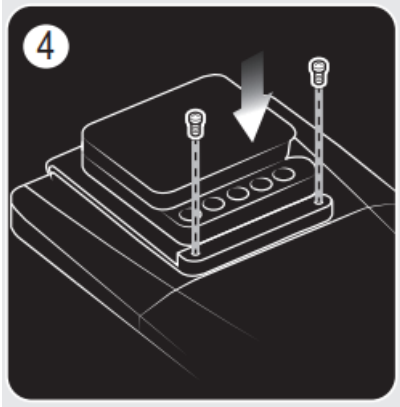
2. Plug the wired RS485 (Red, Black, Yellow, Green) into the 4 pin connector labeled AUTOMATION on the back of the Speed Set controller.



3. Feed approximately 6" of wire through the strain relief channel to ensure an easy installation.



4. Lower hinge and tighten screws



Automation Mode and Temporary Local Control

1. When the pump is under automation control, the display will read "Automated" as shown.
2. When automated, all buttons are disabled except the STOP button.
The STOP button can be used to stop the pump locally and automation commands will be ignored.
3. The pump will remain off indefinitely until one of the following local actions occur:
 - Manually resume automation control by pressing AUTO.
 - Setup a TIMED STOP. When timer ends, the pump will return to AUTO mode under automation control.
 - Locally run TIMED RUNS CLEAN, 1 or 2. When TIMED RU is complete, the pump will return to AUTO mode under automation control.

SETTINGS GUIDE

Priming	Priming ensures all air is removed from the system before normal operation. Adjust speed and duration as needed. Default is 2750 RPM for 3 minutes
Freeze Protect	Freeze protect is factory preset to 38°F at 1725 RPM for 1 hour and is intended to help protect the pump and other pool equipment from freezing temperatures. Temperature, speed, and duration settings are user adjustable. IMPORTANT – Freeze protection is intended to protect equipment and plumbing for short periods of freezing only. It does not guarantee equipment will not be damaged by extended periods of freezing temperatures or power outages. In these conditions, the pool/spa should be shut down completely (e.g., drained and winterized) until warmer conditions exist. NOTE: When engaged, pump will run at the programmed priming speed and priming duration before starting freeze protect speed. When the pump is in STOP mode, all pump functions, including freeze protect, are disabled.
Min/Max Speed	Min/Max speeds are used to help ensure pool health and safety. The maximum water velocity through the suction outlet assembly and its cover for any suction outlet must not exceed the suction fitting assembly and its cover's maximum design flow rate. The suction outlet (drain) assembly and its cover must comply with the latest version of ASME A 112.19.8 or its successor standard, ANSI/APSP-16. Adjusted MIN/MAX speeds will automatically change programmed AUTO schedules and TIMED RUNS.
Time & Date	Set date, time of day, clock format, date format, turn automatic daylight savings time on/off.
AUX Relays	Select Jady pumps are equipped with 2 programmable Auxiliary Relays. Use the Speed Set controller to change the speeds at which the relays open and close. IMPORTANT: Edited Aux Relay speeds are written to the variable speed drive and remain in effect even if the Speed Set controller is disconnected.
User Lockout	User Lockout is used to prevent unwanted changes to vital pump settings by requiring either a PIN code or long press to edit settings. After the controller is unlocked, a PIN code or long press will not be required again until 30 minutes of inactivity is detected. Protected settings defaults to all, but can be changed in the setting menu


Fault History	Use for troubleshooting and identifying technical issues
Setup History	Use to review edit history and to restore previously edited settings, if necessary
Factory Reset	Restore pump to out-of-box factory default settings. All custom programs and settings will be erased

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Documents / Resources

	Jandy SpeedSet Variable-Speed Pump Controller [pdf] User Guide SpeedSet Variable-Speed Pump Controller, SpeedSet, Variable-Speed Pump Controller, Pump Controller, Controller
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References

-  [Jandy Swimming Pool Equipment | Canada | Jandy](#)
-  [Swimming Pool Equipment | United States | Jandy](#)