



PRELIMINARY

Key Captain™ Remote Launching System

Installation Instructions

Sarasota Quality Products is a provider of security/access products for the marine market. Products are designed to secure personal effects and equipment, while providing safety, convenience, and launch assistance for many types of watercraft.

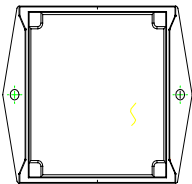
PLEASE SAVE THESE INSTRUCTIONS

FEATURES:

Key Captain™ is a Remote Launching System that provides time saving remote control launch functions for most boats.

- Lock & Unlock Compartment Latches
- Turn Bilge Blowers On & Off
- Trim Down & Up (Trailer Or Storage Position)
- Operate Auxiliary Functions (Cabin Lighting, Etc.)
- Designed For Easy Installation
- Corrosion Resistant Materials Used Throughout
- Unique System Sleep Mode
- Low Power Saving Operation That Extends Battery Life
- Floating Waterproof Remote Transmitter(s)
- On Site Programmable Remote Transmitter(s)
- Permanently Sealed Control Panel
- Audible Sounder Indicates System Operations
- FCC Compliant

SYSTEM COMPONENTS



CONTROL PANEL



FLOAT REMOTE TRANSMITTER



SELS ELECTRIC LOCK LATCH



WARNING:

Read and understand these instructions thoroughly before proceeding with installation. Improper installation may result in incorrect operation of the system.

- ✓ To prevent personal injury, always disconnect the battery leads when installing or servicing this product.
- ✓ Power source must match the voltage rating of this product.
- ✓ Always use a fuse with amperage rating specified for this system. Failure to do so may result in serious personal injury or fire hazard.

Power Specification (Key Captain™ Control Panel)		
Circuit	Voltage	Operating Current
Battery (Standby 15MA.)	9 – 16VDC	20 Amp
Lock	9 – 16VDC	10 Amp
Unlock	9 – 16VDC	10 Amp
Trim Up (see note)	9 – 16VDC	5 Amp
Trim Down (see note)	9 – 16VDC	5 Amp
Bilge Blower (see note)	9 – 16VDC	5 Amp

Note: Use BASIC WIRING INSTRUCTIONS except when current requirements exceed fuse ratings shown, then, use ALTERNATE WIRING INSTRUCTIONS.

Power Specification (Key Captain™ Electric Lock/Latches)

Circuit	Voltage	Current
Lock connection (Lt. Blue)	9 – 16VDC	0.5 Amp
Unlock connection (White.)	9 – 16VDC	0.5 Amp
Power Specification (Key Captain™ Transmitter)		
Circuit	Voltage	Battery #
2 Coin Cell batteries	1.5 VDC ea.	CR-2

REQUIRED FOR INSTALLATION

- Drill and suitable drill bit
- Hole saw
- Screwdriver
- Wire cutter/striper
- Crimp on wire connectors for 12, 16, & 18 gauge wire
- Cable tie-wraps
- Suitable stainless steel pan head screws
- Fuses as required
- Fuse holder for above fuses
- 12, 16, 18 gauge wire

INSTALLATION

MUST MEET APPLICABLE SECTIONS OF TITLE 33 CFR 183 SUBPART I, USCG REGULATIONS.

To prevent personal injury, always disconnect the battery leads when installing the control panel, electric lock latches or connections to auxiliary function devices.

The Key Captain™ control panel is designed for easy installation.

See separate installation instructions for mounting of Key Captain™ electrical lock latches.

MOUNTING INSTRUCTIONS

1. The Key Captain™ control panel may be positioned near the helm, and in a secure area. The control panel may be secured to any solid, flat mounting surface and oriented in any direction.
2. For security protection, the control panel should be mounted inside a lockable compartment or other secure area.
3. For maximum reception of signals from the transmitter to the control panel it should be located close to top level of the boat (see Fig. 1). It should be mounted within 10 inches of a fuse distribution panel (furnished by others).
4. Using the control panel as a template, mark holes for mounting feet and drill holes. Secure control panel in place taking care not to over tighten screws or penetrate hull.

BASIC WIRING INSTRUCTIONS

Note: Use BASIC WIRING INSTRUCTIONS except when current requirements exceed fuse ratings shown in Power Specification (Key Captain™ Control Panel), then, use ALTERNATE WIRING INSTRUCTIONS.

1. Connect Key Captain™ control panel wires to fuse distribution box: (Fig 2)
2. Connect control panel **negative (green)** wire to a good chassis ground or negative post of battery (Fig. 2)
3. Use a quality marine grade stranded copper wire and connect from fuse distribution box to the following circuits: (Fig 2)
4. Connect **positive (+) battery (red)** control panel circuit from fuse distribution panel to the boat +12VDC battery post (Fig. 2).
5. Connect **lock (light blue)** control panel circuit wire from fuse distribution panel to SELS 1000 electrical lock latches. Observe polarity of wiring to connect to all light blue wires (Fig. 2)
6. Connect **unlock (white)** control panel circuit wire from fuse distribution panel to SELS 1000 electrical lock latches. Observe polarity of wiring to connect all white wires together (Fig. 2)
7. Connect **trim down (pink)** control panel circuit wire from fuse distribution panel to trim down circuit input on trim controller (Fig. 2)
8. Connect **trim/trailer up (orange)** control panel circuit wire from fuse distribution panel to trim/trailer up circuit input on trim controller (Fig. 2)

9. Connect **bilge blower (brown)** control panel circuit wire from fuse distribution panel to +12VDC wire on bilge blower (Fig. 2)
10. Do not make any connection to **black wire** on the Key Captain™ control panel. This is the antenna wire and it is to hang freely (Fig. 2)

OPERATING INSTRUCTIONS

Float Remote™ Transmitters control the operation/functions of the Key Captain™ system. The operating range is 25-30 feet with direct line of sight between the transmitter and control panel. The effective range may diminish if direct line of sight is not available.

Five function buttons are located on top of the Transmitter.



Lock and **Un-Lock** operations are accomplished by momentarily pressing the following push buttons.

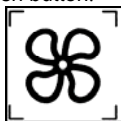


Press and release to **Lock** all electric lock/latches.



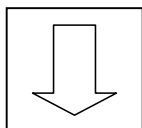
Press and release to **Un-Lock** all electric lock/latches.

Bilge Blower operations are accomplished by momentarily depressing the following push button.

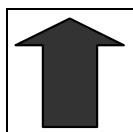


Press and release to turn **Bilge Blower ON**
Press and release again to turn **Bilge Blower OFF**

Trim DOWN and **Trim UP** operations are accomplished by pressing the following push buttons.



Press and hold until desired **Trim DOWN** position is reached.



Press and hold until desired **Trim UP (Trailer)** position is reached.

ALTERNATE WIRING INSTRUCTIONS

Note: Use ALTERNATE WIRING INSTRUCTIONS when current requirements exceed fuse ratings shown in Power Specification (Key Captain™ Control Panel). Auxiliary relays are required to switch higher current trim motors and bilge blowers. Auxiliary relays must be rated at 12VDC, 5 amp maximum coils with normally open contacts (de-energized state) that are rated for trim motor and bilge blower current draw.

1. Connect Key Captain™ control panel wires to fuse distribution box: (see Fig 3)
2. Connect control panel **negative (green)** wire to a good chassis ground or negative post of battery (see Fig. 3)
3. Use a quality marine grade stranded copper wire and connect from fuse distribution box to the following circuits: (see Fig 3)
4. Connect **positive (+) battery (red)** control panel circuit from fuse distribution panel to the boat +12VDC battery post (see Fig. 3).
5. Connect **lock (light blue)** control panel circuit wire from fuse distribution panel to Key Captain™ electrical lock latches. Observe polarity of wiring to connect to all light blue wires (see Fig. 3)
6. Connect **unlock (white)** control panel circuit wire from fuse distribution panel to Key Captain™ electrical lock latches. Observe polarity of wiring to connect all white wires together (see Fig. 3)
7. Connect **trim down (pink)** control panel circuit wire from fuse distribution panel to coil of an auxiliary relay. Connect other side coil wire to chassis.
8. Connect **positive (+) battery** to proper sized fuse. Connect from fuse to one side of an auxiliary relay normally open contact. Connect other side of auxiliary relay normally open contact to trim down circuit input on trim controller (see Fig. 3)
9. Connect **trim/trailer up (orange)** control panel circuit wire from fuse distribution panel to (+) coil of an auxiliary relay. Connect other side coil wire (-) to chassis (see Fig. 3)
10. Connect **positive (+) battery** to proper sized fuse. Connect from fuse to one side of an auxiliary relay normally open contact. Connect other side of auxiliary relay normally open contact to trim up (trailer) circuit input on trim controller (see Fig. 3)
11. Connect **bilge blower (brown)** control panel circuit wire from fuse distribution panel to coil (+) of an auxiliary relay. Connect other side coil wire (-) to chassis (see Fig. 3).
12. Connect **positive (+) battery** to proper sized fuse. Connect from fuse to one side of an auxiliary relay normally open contact. Connect other side of auxiliary relay normally open contact to +12VDC wire on bilge blower (see Fig. 3)
13. Do not make any connection to **black wire** on the Key Captain™ control panel. This is the antenna wire and it is to hang freely (see Fig. 3)

REMOTE FLOAT TRANSMITTER BATTERY REPLACEMENT

The Key Captain™, Remote Float™ Transmitter is powered by two coin cell batteries (see Power Specification).

To replace the batteries, remove the top off of the unit by prying with small screwdriver. Remove the circuit board. The two batteries are on the under side of the circuit board.

Replace batteries. Replace circuit board. Reinstall cap while observing alignment with key clip mounting hole. Used batteries should be disposed of properly.

Properly installed the Float Remote™ has a watertight seal and is watertight to IP-67 standards and will float with up to two small boat ignition keys attached to the remote transmitter. Note: The transmitter will not be replaceable under warranty after first customer battery replacement.

Pry here to remove the cap from body.



CONFIGURING THE SYSTEM OR REPLACING A TRANSMITTER.

Remote Float™ Transmitters are configured to the Key Captain control unit at time of assembly or whenever a new transmitter is purchased. Each control unit will need to be configured (learn) about all the transmitters before the system will function.

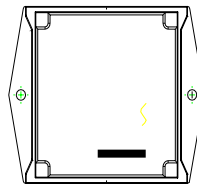
1. To configure the system apply power the control panel (see wiring instructions).
2. Press the plunger of the learn switch located on the control panel. This will place the control panel in the learn mode and will disable the lock/unlock features from operating.
3. With the control panel in the learn mode, press the lock button on the transmitter for one second and release.
4. Wait one second then press the lock button again, but hold and do not release.
5. The lock/unlock system will continue to be inoperable and will not respond to the transmitter for another 10 seconds.
6. Once the control panel has learned about the transmitter it will respond to the transmitter and actuate the lock/unlock system.
7. The control panel has learned about the transmitter and can be used.
8. Repeat steps 1-8 to configure additional transmitters.

KEY CAPTAIN™ SLEEP MODE

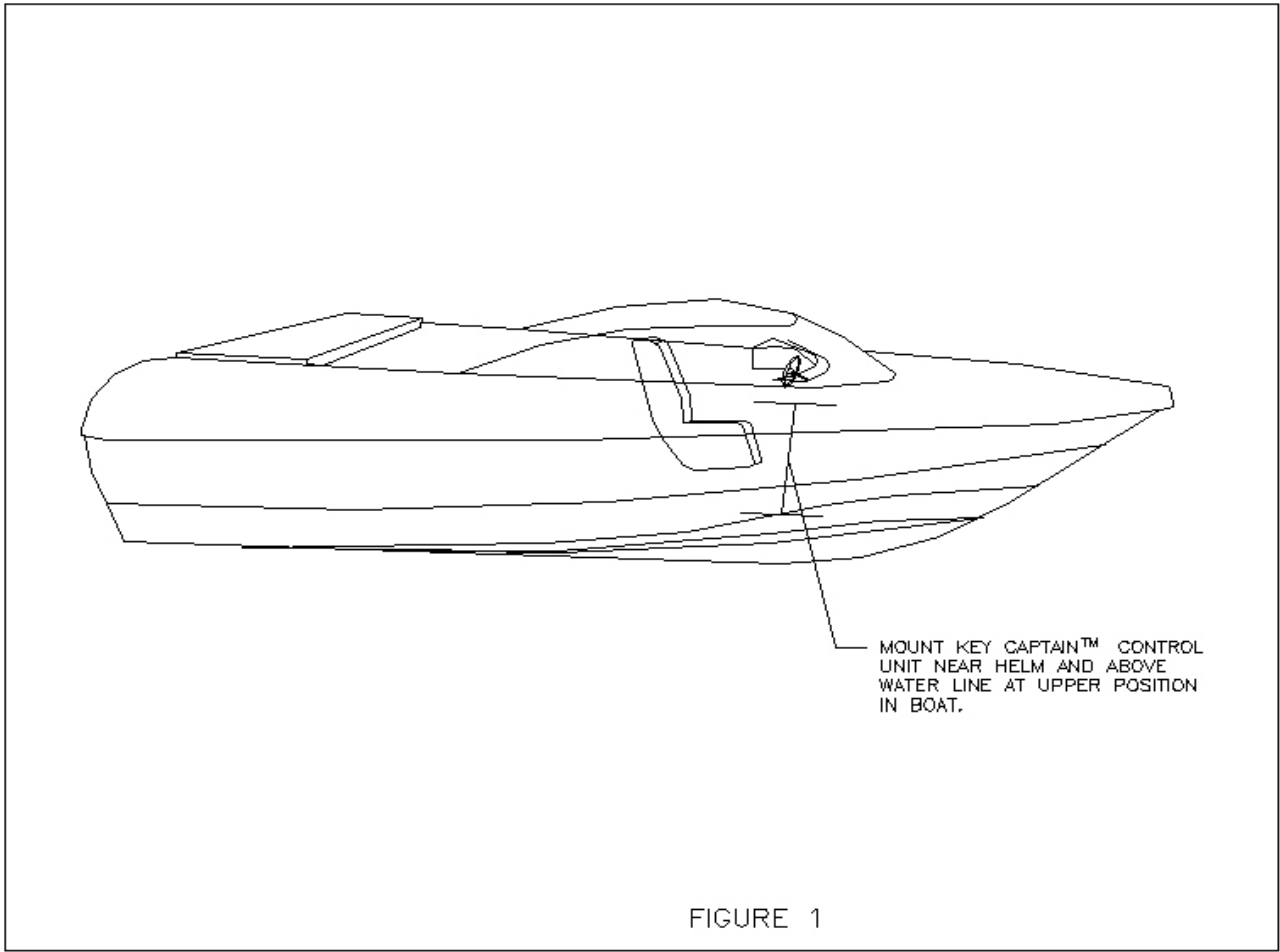
The Float Remote™ will put itself into a power saving “sleep mode” when inactive for several minutes. It will reactivate when any pushbutton is pressed.

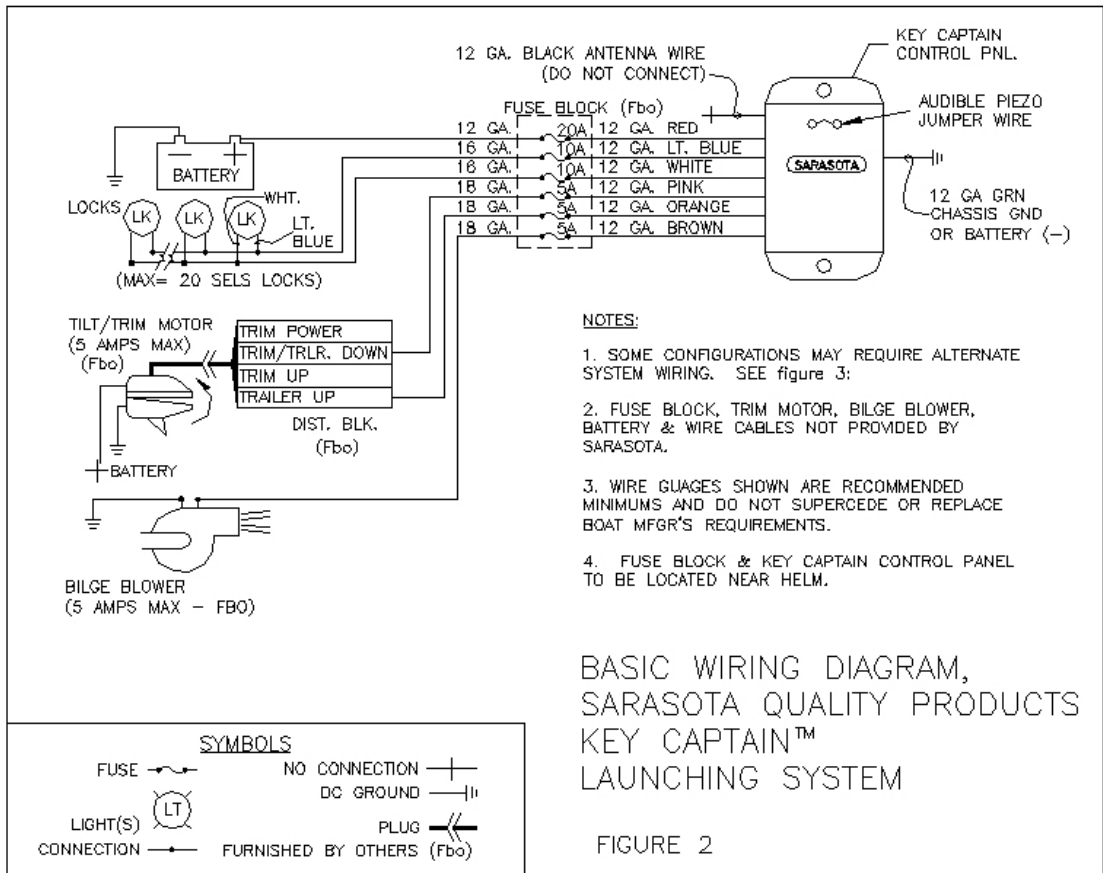
KEY CAPTAIN™ AUDIBLE MODE

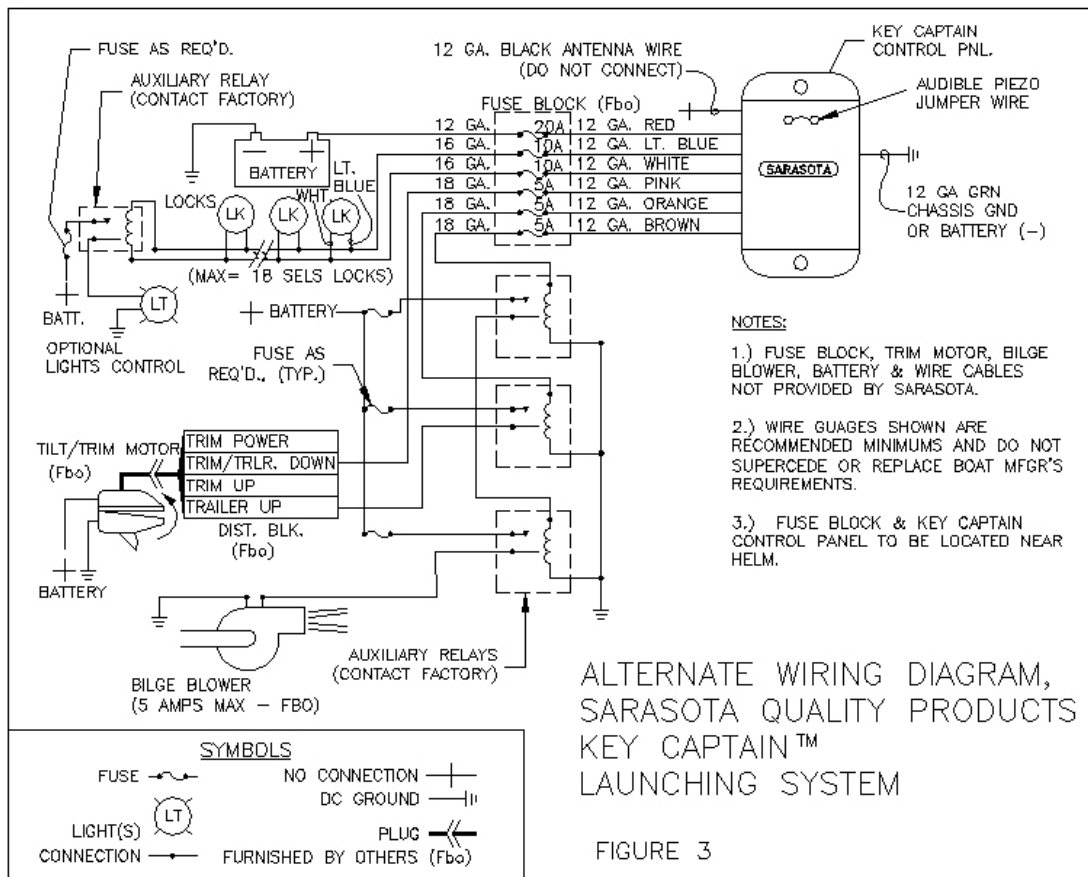
Each time a Float Remote™ pushbutton is pressed the control panel will produce an audible “chirp” to acknowledge to the operator that the transmitted signal has been received. The audible may be permanently disabled by clipping the jumper wire on outside of control panel case.



To permanently disable audible signal,
cut jumper wire.







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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Section 15.105 Information to the user 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.

-- Caution any changes or modifications not approved by Delta Systems Inc voids user's authority to operate this equipment .