SLA-RSM-6 QUICK INSTALLATION GUIDE REV 1.2 7/3/2017

Note: the SLA-RSM-6 is designed to monitor remote communications site systems. It can adapt to any system by using its "Learn" button. When the SLA-RSM-6 is installed, the "Learn" button should be depressed when the system is OPERATING and when there are no Faults. At that point, the SLA-RSM-6 will read the status of each of its inputs, and will recognize those conditions as the system's "Normal" state. When any activity occurs on the System such as when the system is turned ON or OFF, or if any Fault should occur - the SLA-RSM-6 will detect the change in status on its input port and will report the event after a 20 second delay

Following these instructions will ensure the best possible performance from the SLA-RSM-6 unit.

STEP 1: Please check the parts:

Item	Final Check	
SLA-RSM-6 Hardware Unit		
Antenna (GPS/CELL combo)		
Wiring harness with one 5 Amp fuse in red and yellow lead		
Mounting Hardware		

STEP 2: Check that the unit Serial Number matches the number on this sticker →

STEP 3: Remove the clear cover by unscrewing the four screws. Keep them nearby, as you will later put the cover back on.

STEP 4: Choose a proper installation location.

- The unit should be placed such that the two small LEDs are visible after the installation. The Green LED indicates when the unit has locked onto its Cellular signal, and the Red LED indicates when the unit has locked onto its GPS signal.
- The Antenna must be placed on a flat surface and oriented to face the sky to get the best possible satellite and cellular signal. There should be no metallic cover immediately above or around the antenna - however, plastic, cloth or fiberglass covers are not a problem.

STEP 5: Set the Battery switch in the "OFF" position. (See the attached photo on Page 3 for Battery Switch details.)

STEP 6: Connect GPS and Cellular Antenna connectors to the corresponding connectors on the unit.

STEP 7: The Red and Black wires provide power. The monitoring unit requires 9 or 24 VDC power. If 9 to 24 VDC power is not directly available, an AC to DC transformer will be required.

- The Red and Black wires **must** be connected as specified in the following table.
- Five other wires - Yellow, Green, White, Brown, Violet and Striped - are digital inputs and are available for reporting any type of event. These connections are optional. If unused, these wires should be GROUNDED.

Wire Color	Connect to	Description
Red Wire	**+12V or +24V from Battery or Transformer**	**Battery or Transformer '+' terminal**
Black Wire	**Battery or Transformer GROUND**	**Battery or Transformer '-' terminal**
Yellow Wire	Fault Terminal #1	Active only when there is a Fault
Green	Fault Terminal #2	Active only when there is a Fault
White	Fault Terminal #3	Active only when there is a Fault
Brown	Fault Terminal #4	Active only when there is a Fault
Violet	Fault Terminal #5	Active only when there is a Fault
Tan / Black with White Stripe	Fault Terminal #6	Active only when there is a Fault

Any unused Input lead should be connected to Input/ Output- Common/ - DC Power connection

STEP 9: **The Red and Black wires must be connected as specified above**. The remaining wires may be used to report any type of violation, as desired- either NO or NC. Alternatively, those remaining wires may remain unused. Any unused wires should be connected directly to Ground. If the ORANGE or GREY wires are not used, they should be insulated and secured in a convenient position (see Remote Start and Stop, below).

STEP 10: After the Red Wire has been connected to the Positive "+" supply terminal and the Black wire has been connected to Ground, the SLA-RSM-6 unit will be powered up. The LEDs will begin flashing. The Green LED will stop flashing in approximately 1 – 2 minutes, when the unit locks onto its cellular signal; d the Red LED will stop flashing in approximately 2 – 4 minutes, when the unit locks onto its GPS signal.

QUESTIONS: PLEASE CALL SLATERCOM CUSTOMER SUPPORT (503) 581-5550

STEP 11: The LEARN Cycle

With the remote site system operating in a no Fault condition, press and hold the red "Learn Button" until the Red and Green LEDs blink simultaneously. This will cause the unit to "learn" that the current state of the wires is the system's default state. The unit will accept these conditions as the system's Normal status.

STEP 12: To minimize wires rubbing against the metallic surfaces, collect any excess lengths of wire and secure them using cable ties.

STEP 13: Set the Battery switch to the "ON" position. Put the clear cover back on and fasten the four corner screws to secure it in place.

Remote Start and Stop

Two Output wires are optionally available for Remote Start and Remote Stop capabilities (such as remote generator testing): the Orange Wire and the Grey Wire. If the Remote Start and Remote Stop feature is not utilized, these wires should be insulated and secured. To utilize the Remote Start and Remote Stop features, please note the following:

1. The Orange Wire can be used to trigger a warning prior to commencing a Remote Start command. This is an optional feature. The Orange Wire goes Low for a period of 30 seconds when the Remote Start command is received. After the 30 second period, the Orange Wire becomes Open. This Output can be connected to a flashing light and/or a siren to provide a brief warning before the remote site system is start.

2. The Grey Wire can be used to provide Remote Start and Remote Stop capabilities. The Grey Wire goes Low for the duration of the programmable Remote Start command. This wire provides GROUND and it can sink up to 250 mA. This wire should be connected to a starter relay on the System. The Grey Wire becomes active for the programmed period only after the Orange Wire cycles through its 30 second period.

Note 1: Perform the LEARN Cycle

- If the Orange and/or Grey wires are utilized to support the Remote Start/Stop feature, the LEARN Cycle described in Step 11 should be repeated after those wires have been connected.

Note 2: Use with caution

- If the Remote Start/Stop feature causes an engine to start or stop, or creates any other potential hazard for persons who may be nearby, always ensure safety by utilizing the Orange wire to activate an alarm; or check to make sure that no persons are present at the remote site who may be endangered.
- Technicians should always disconnect the Grey wire before working on the remote site system. The Grey wire should be re-connected when work has been completed.

FINAL STEP: Contact Slatercom Customer Support at 503-581-5550 to test the unit and confirm performance.

Note the site information below for the set-up and initialization on the website:

Site Name/Description	Site ID	Branch ID	Make	Model	Type	Ticket #

Yellow Wire	Green Wire	White Wire	Brown Wire	Tan Wire	Striped Wire

THE UNIT IS NOW READY FOR INITIALIZATION / ACCESS THROUGH THE WEB

Installed by: _____ Date & Time: _____

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The RMS-6 unit is available in both a component unit (Monitor system with connecting lead kit and antenna components or a complete system installed in a NEMA 4X enclosure with AC power supply, DIN terminals for all alarm inputs and with antenna module installed.

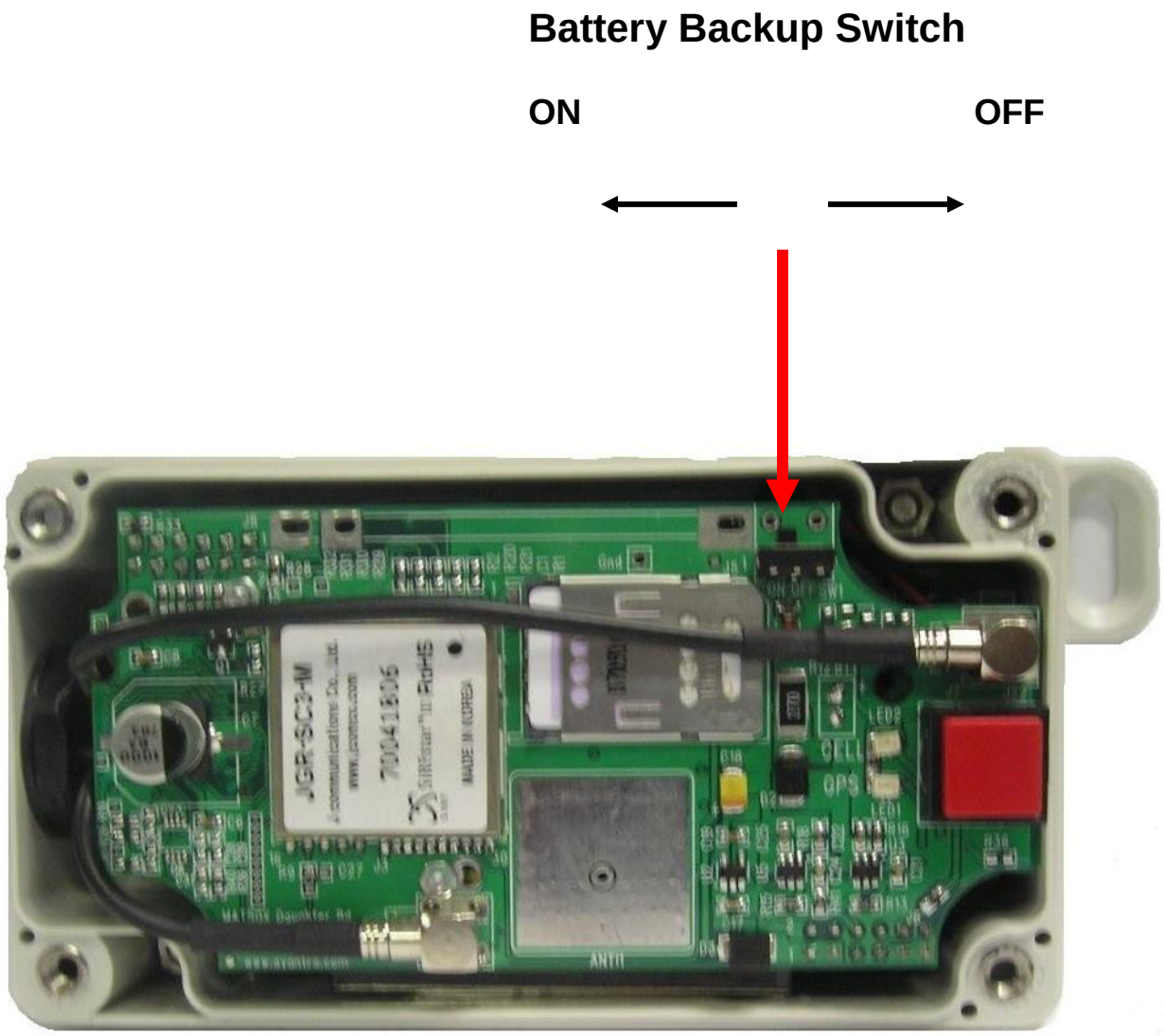

Figure 1. SLA-RSM-6 unit with the cover removed, indicating the Battery Backup Switch

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Antenna

Antenna Wires

Red Wire
(Positive Supply Terminal)

AC – DC
Transformer
(if necessary)

Site
Power

Black Wire
(Ground Terminal)

Note- All alarm inputs are common to the Input-Output "Common" (Power negative- black wire) connection.

Other Wires

These wires can be connected to fault terminals or to other sensors. Each should become active only when a Fault or event is detected.

To horn or siren

To starter or
controller

Remote Start / Stop –

These Orange Wire and the Grey Wire are optionally available to provide Remote Start/Stop capabilities. Each should be used with an optional Slatercom provided relay.

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