8-Inch Secondary Enclosure
Installation Guide

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REVISION HISTORY

Rev.	Revision History	Date	Prepared By	Approved By
A	Initial release	April 19, 2023	Hadylee Wan	Tommy Wong

1 PRODUCT OVERVIEW

RST's 8-Inch Secondary Enclosure is built for use in remote locations where data loggers will require protection from natural elements and tampering from vandals or wildlife. Designed for use with RST's Affinity, DT2011B and DT2055B data loggers, this enclosure fully meets most site protection and security requirements.

1.1 DIMENSIONS

Enclosure only: Height 38.3" X Diameter 9.1"

Enclosure with ground stake: Height 68" x Width 9.8"

Enclosure with pole mounting bracket: Height 38.3" x Width 12.3"

1.2 INTENDED AUDIENCE

This guide is for the personnel installing an RST 8-inch secondary enclosure. This guide provides steps for installing a secondary enclosure and an Affinity, DT2011B or DT2055B data logger inside it.

2 REQUIRED TOOLS

The following tools you will need to install the secondary enclosure:

- Screw driver
- M6 hex driver
- M10 wrench, ratchet socket wrench or adjustable wrench
- Level (optional)
- Hammer or mallet (to drive the ground stake)

→| **NOTE**: Depending on the soil you are installing on, you may need an appropriate tool to drive the stake to the ground.
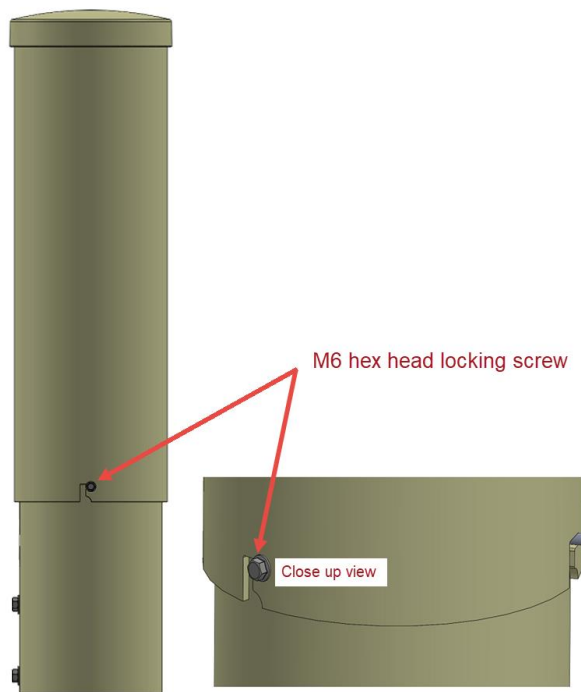
3 INSTALLATION GUIDES
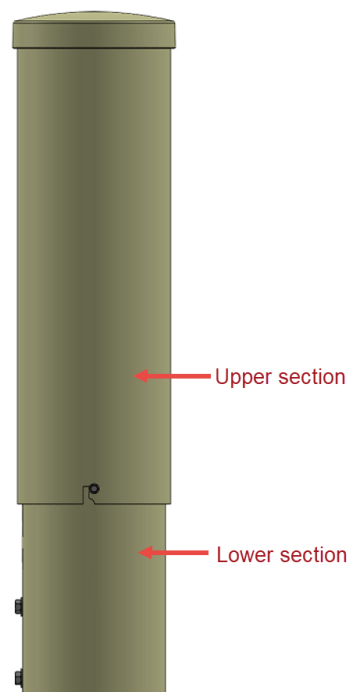
3.1 INSTALL AN 8-INCH SECONDARY ENCLOSURE

To install an 8-inch secondary enclosure, complete the following steps:

1. Loosen the M6 hex head locking screw on the front of the enclosure.

→| **NOTE**: Do not remove the M6 hex head locking screw from the lower enclosure.
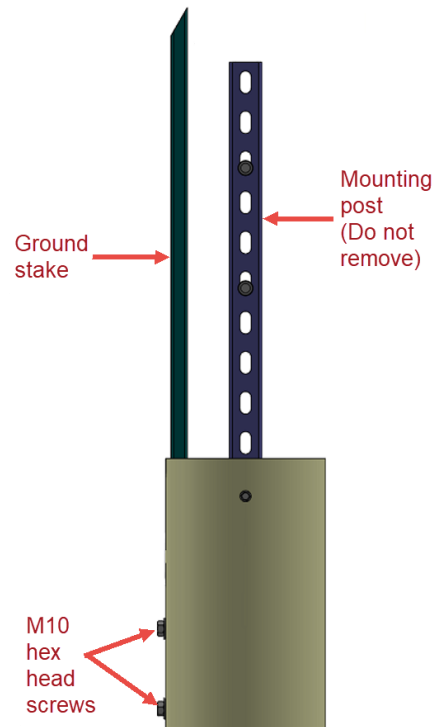
M6 hex head locking screw

Close up view

2. Twist the upper and lower sections of the enclosure and pull them apart.

Upper section

Lower section

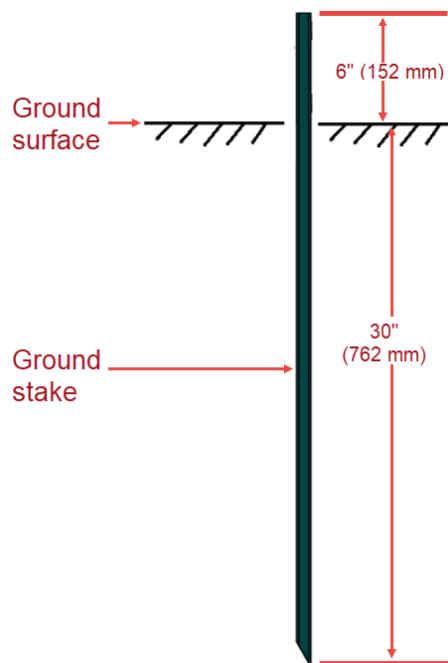**3.** Unscrew the 36-inch ground stake from the lower enclosure.

→ **NOTE**: Do not remove the mounting post. Do not discard the M10 hex head screws, washers, and nuts. You will need them to reinstall the ground stake.

Ground
stake

Mounting
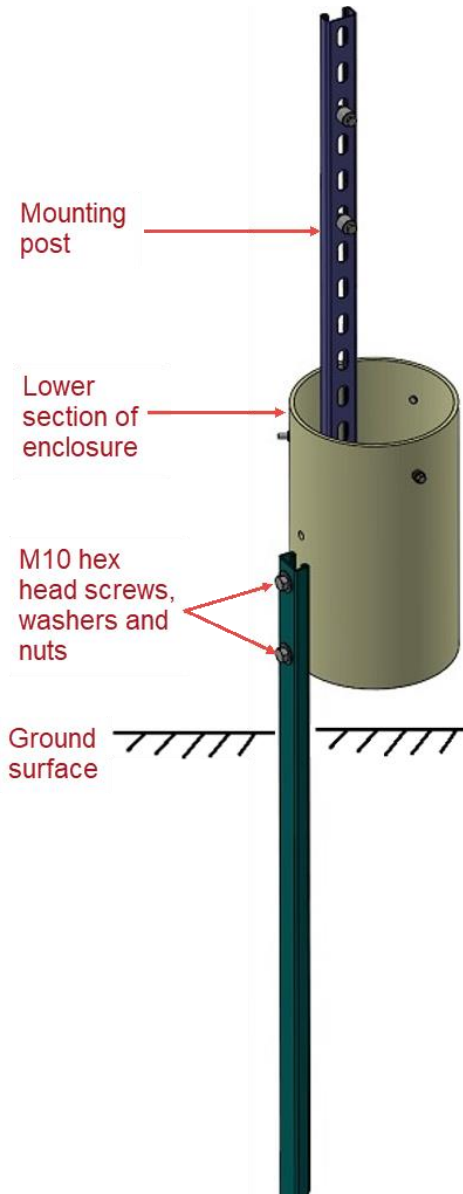post
(Do not
remove)

M10
hex
head
screws

4. Drive the pointed end of the ground stake no more than 30" (762 mm) into the ground. Make sure to leave 6" of the stake above the ground.

→| **NOTE**: Depending on the soil you are installing on, you may need a hammer, a mallet, or an appropriate tool to drive the ground stake to the ground.

Ground
surface

6" (152 mm)

Ground
stake

30"
(762 mm)

5. Re-install the lower section of the enclosure to the ground stake using the M10 hex head screws, washers, and nuts.

→| **NOTE**: Make sure the lower section of the enclosure is as close to the ground as possible without touch the ground surface.
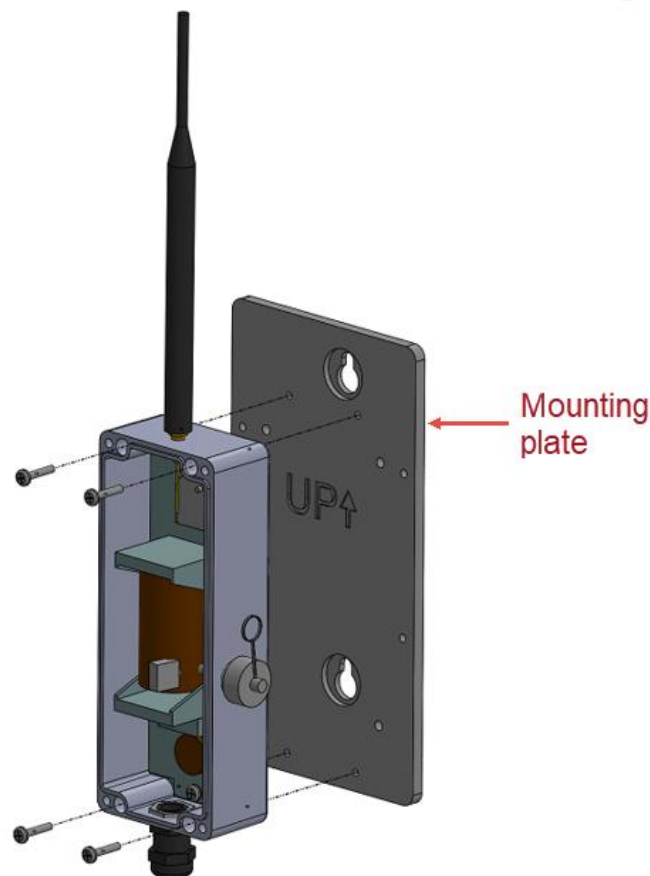

6. Install the data logger. Refer to the procedure specific to the data logger.

- Install a DT2011B Data Logger
- Install a DT2055B Data Logger
- Install an Affinity Data Logger

3.2   INSTALL A DT2011B DATA LOGGER

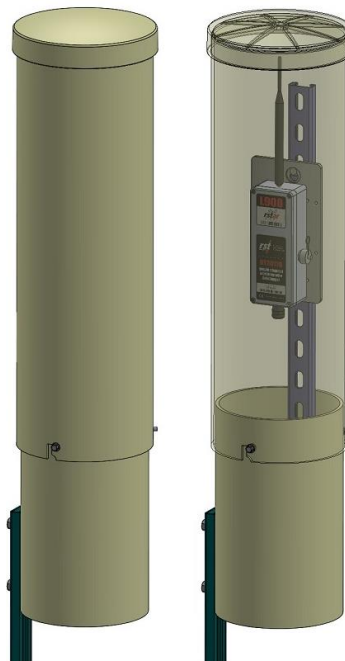To install a DT2011B data logger to a secondary enclosure, complete the following steps:

1. Remove the front lid from the data logger.

2. Find the mounting plate and the appropriate screws (check the label on the bag) for the data logger in the secondary enclosure package.

3. Insert the screws through the mounting holes on the data logger.

4. Screw the data logger onto the mounting plate with the antenna pointing up.

5. Screw the front lid back onto the data logger.

6. Slide the mounting plate downward on the mounting post to lock in place.

7. Twist the upper enclosure onto the lower enclosure. Tighten the M6 hex head locking screw.
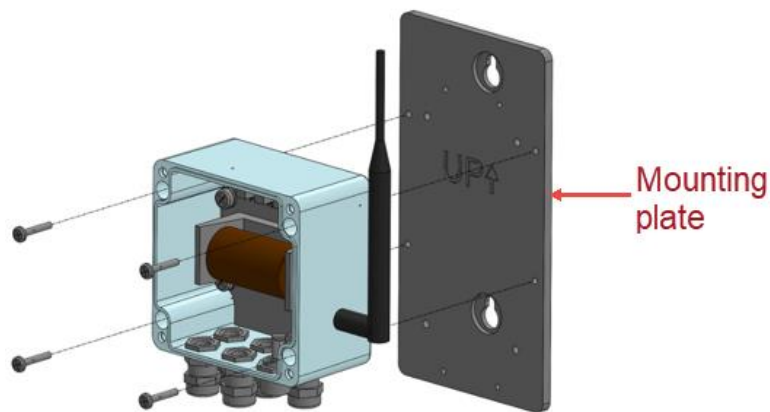

→| **NOTE**: The see-through picture on the right is for illustration purposes only.
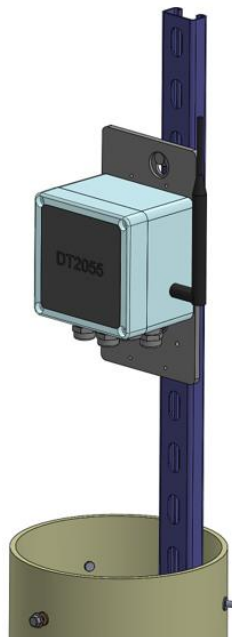
3.3   INSTALL A DT2055B DATA LOGGER

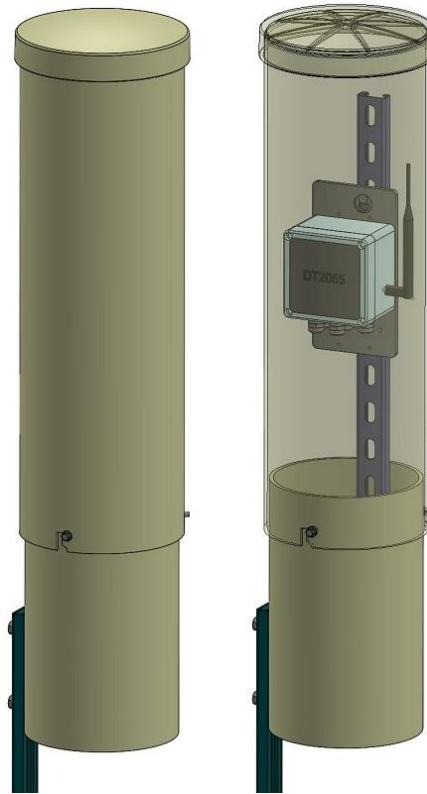To install a DT2055B data logger to a secondary enclosure, complete the following steps:

1. Remove the front lid from the data logger.

2. Find the mounting plate and the appropriate screws (check the label on the bag) for the data logger in the secondary enclosure package.

3. Insert the screws through the mounting holes on the data logger.

4. Screw the data logger onto the mounting plate with the antenna pointing up.

5. Screw the front lid back onto the data logger.

6. Slide the mounting plate downward on the mounting post to lock in place.

7. Twist the upper enclosure onto the lower enclosure. Tighten the M6 hex head locking screw.
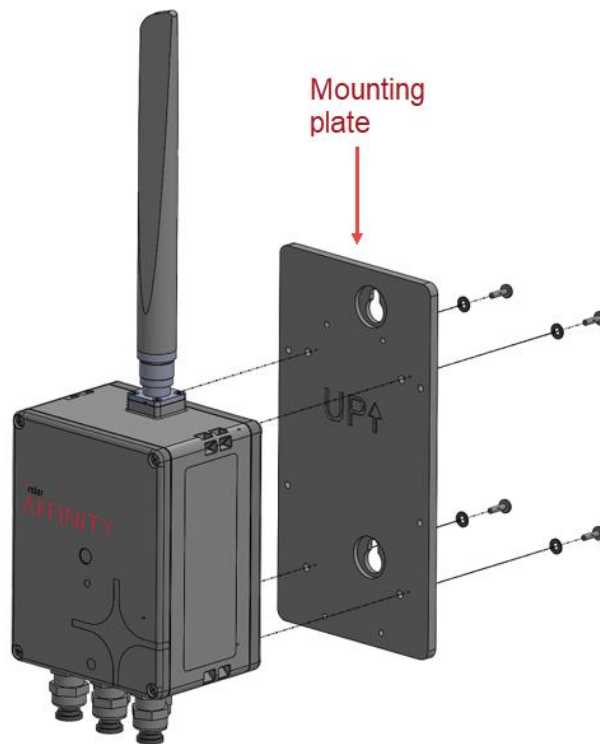

→| **NOTE**: The see-through picture on the right is for illustration purposes only.
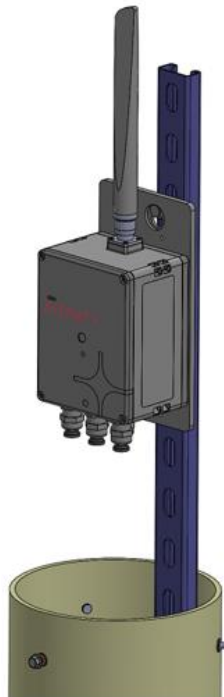
3.4   INSTALL AN AFFINITY DATA LOGGER

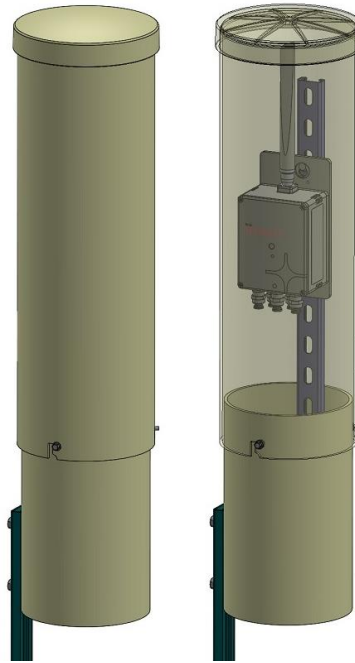To install an Affinity data logger to a secondary enclosure, complete the following steps:

1. Find the mounting plate and the appropriate screws (check the label on the bag) for the data logger in the secondary enclosure package.

2. Insert the mounting screws through the back of the mounting plate.

3. Screw the mounting plate onto the data logger with the antenna pointing up.

Mounting plate

4. Slide the mounting plate downward on the mounting post to lock in place.

5. Twist the upper enclosure onto the lower enclosure. Tighten the M6 hex head locking screw.

→| **NOTE**: The see-through picture on the right is for illustration purposes only.

4 SERVICE, REPAIR AND CONTACT INFORMATION

Contact RST for product services or repairs.

- For sales information: sales@rstinstruments.com
- For technical support: support@rstinstruments.com
- Website: www.rstinstruments.com
- Toll free: 1-800-665-5599

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Fax: 604-540-1005

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Business hours: 9:00 a.m. to 6:30 p.m. (GMT) Monday to Friday except holidays