

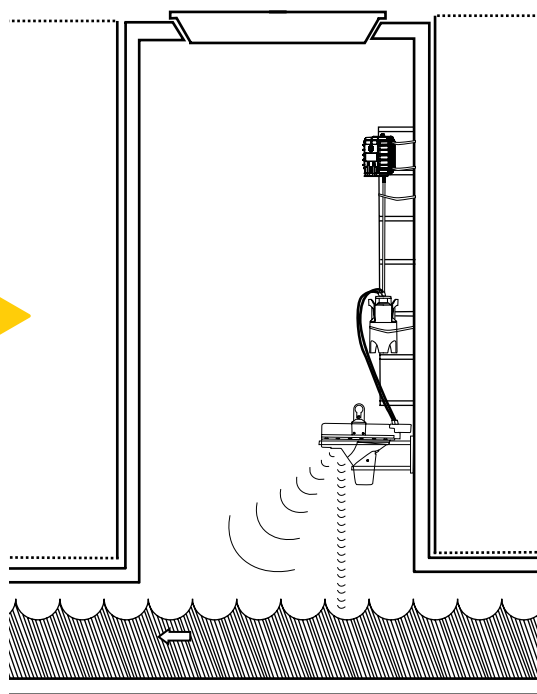
# WAVELET

# DISCHARGE

# KIT

QUICK START

GUIDE



# IMPORTANT



Contact **AYYEKA SUPPORT** for technical support at +1 (310) 876-8040.



The **WARRANTY** offered by Ayyeka covers only Ayyeka supplied hardware and software for the duration of the warranty period as per the warranty terms and conditions.



**AYYEKA IS NOT LIABLE** for damage or injury as a result of handling, installation or maintenance of its supplied systems.



**DO NOT THROW AWAY** the Wavelet Demo Kit, as it contains a lithium battery. Please dispose of properly.



**2G/3G/CDMA** cellular network signal.

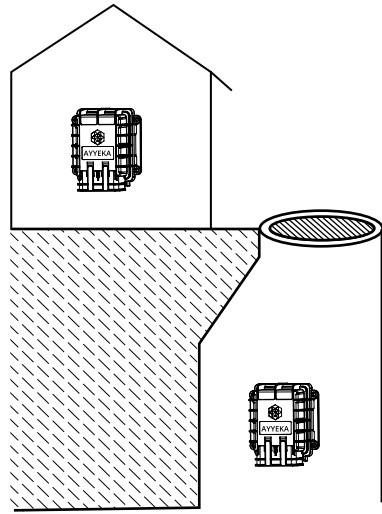
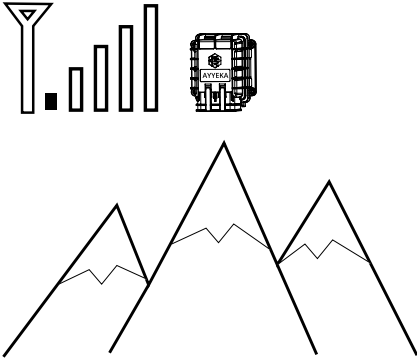


**OPERATING TEMPERATURE RANGE** of -14°F to +125°F (-10°C to 51°C).



**SERVICE THE SENSOR** according to manufacturer's instructions.

**NOTE:** Special Installation Locations



**WEAK CELLULAR SERVICE LOCATIONS:**

If the Wavelet is installed in an area with weak cellular reception, activate the Wavelet and place in the intended installation location with closed doors/ access hatch.

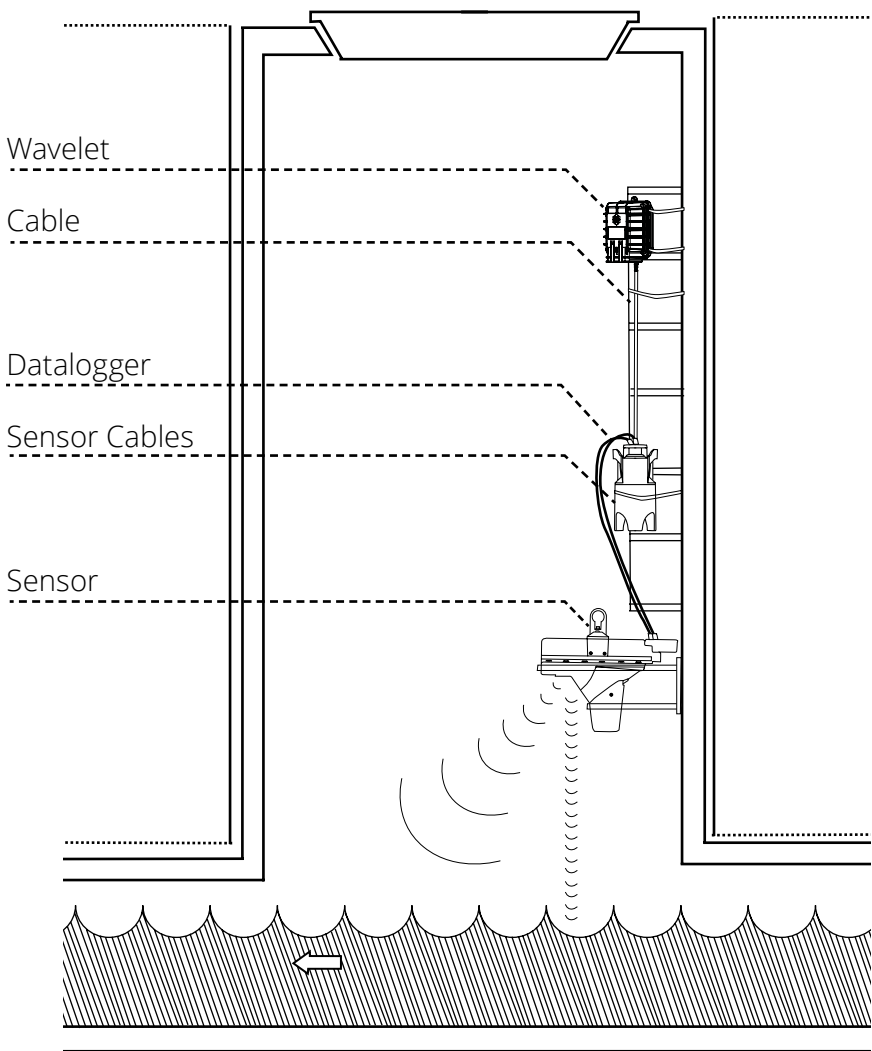
Log in to [home.ayyeka.com](http://home.ayyeka.com) to ensure that cellular signal has been recently updated in the last few minutes.

**UNDERGROUND/INDOOR WAVELET INSTALLATIONS:**

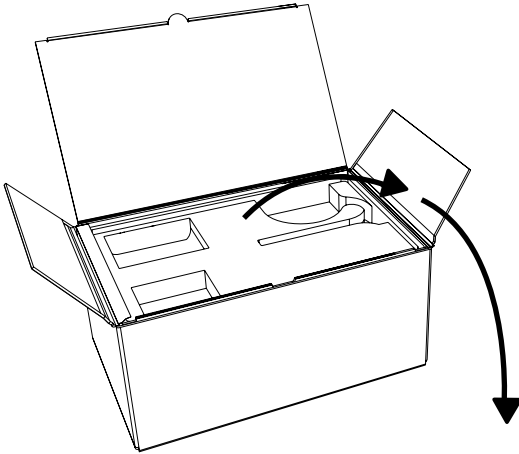
Before installation, activate the GPS outside by turning on the Wavelet (see step 8).

Wait for at least 8 minutes, then log in to the user interface at [home.ayyeka.com](http://home.ayyeka.com) to confirm updated location on the map.

# SCHEMATIC

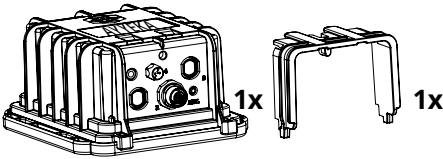


# GETTING STARTED

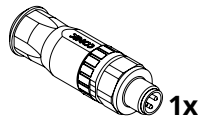


## WAVELET DISCHARGE KIT

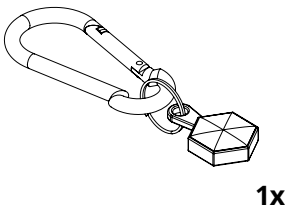
**1** Wavelet Device & Protector



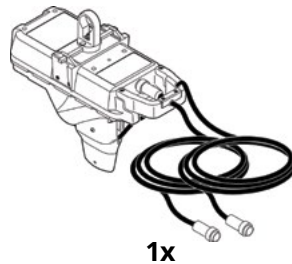
**2** M8 Male Power Connector  
(optional, see page 17)



**3** Wavelet Activator

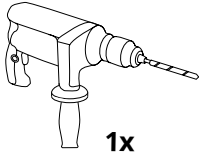


**4** Non-Contact Flow Meter



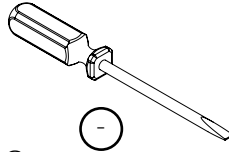
Tools and/or materials required (not included):

Rotary Hammer



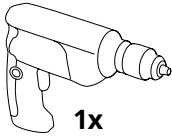
**1x**

Flat Screwdriver  
3/32"



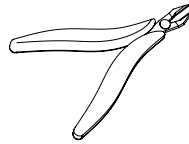
**1x**

Electric Screw Driver



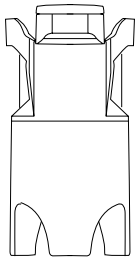
**1x**

Cutter



**5**

Datalogger



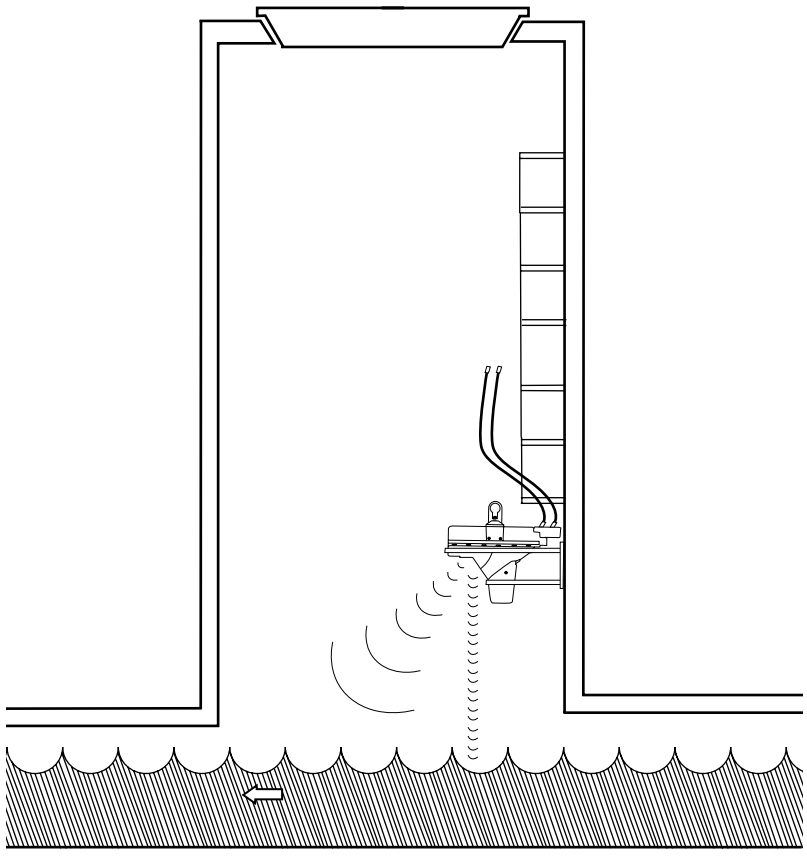
**1x**

# INSTALLATION

1

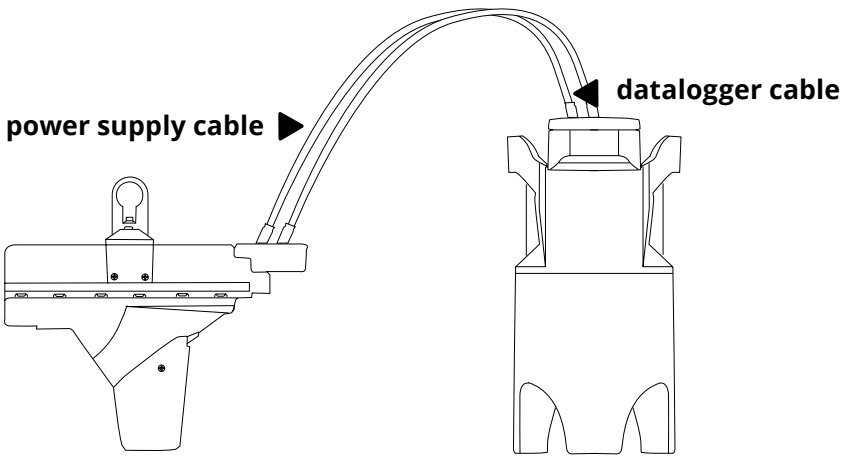
The user sensor manual states that the sensor should be installed in an area where the flow is not turbulent. For a complete listing of installation locations and instructions for each location, please refer to the Hach Flo-Dar manual and follow the manufacturer's instructions for the sensor installation.

Refer to the sensor manual using the following link: <http://www.hachflow.com/pdf/Flo-DarFlo-LoggerXTManual.pdf>.



2

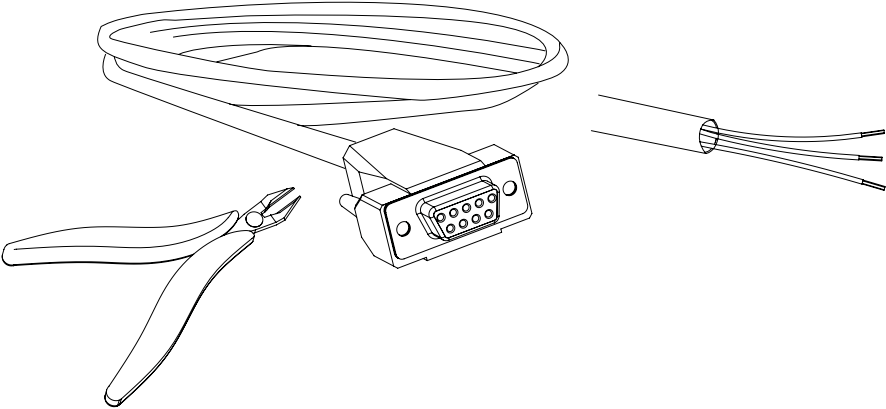
After securing the sensor to its location, connect the sensor to the datalogger using the two cables and connectors shown (power supply connector and datalogger connector).





**3**

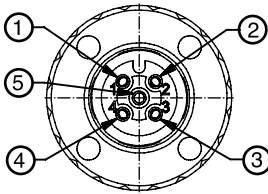
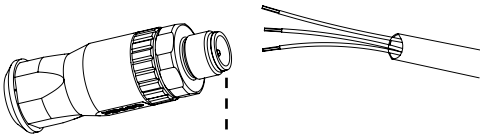
Take the cable with the DB9 connector that is attached to the end of the datalogger and remove the DB9 connector.



**4**

Connect the open ended wires from the datalogger cable to the M12 male connector according to wiring instructions below.

Refer to p.30 in the sensor user manual for more information.

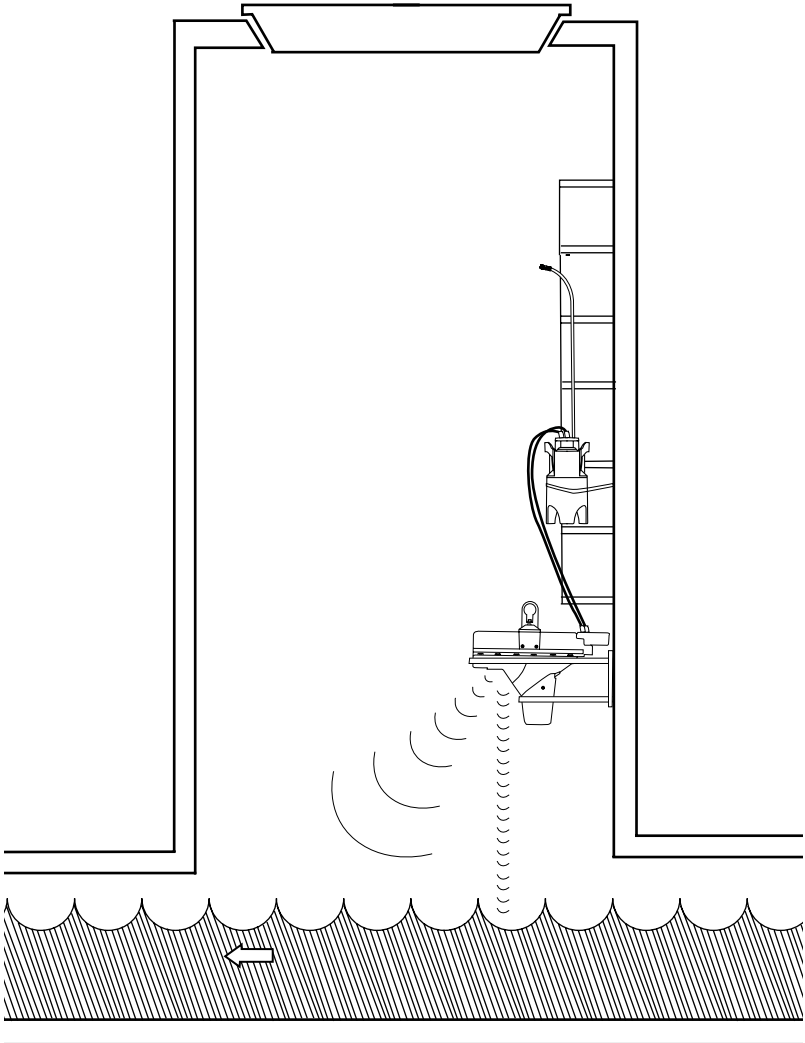
**Wire To Connect:**

Conn. Pin	Color	Signal
1	Red	RS232_TX
2	White	RS232_RX
3	-	N.C.
4	Black	GND

5

Secure the datalogger to its location. Please see page 11 in the sensor user manual for more information.

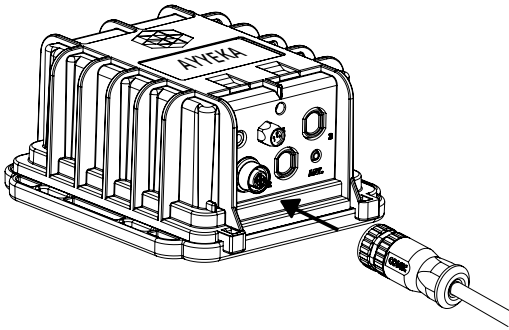
The datalogger and sensor are now connected and the M12 connector and cable is connected to the datalogger.



## SENSOR CONNECTION

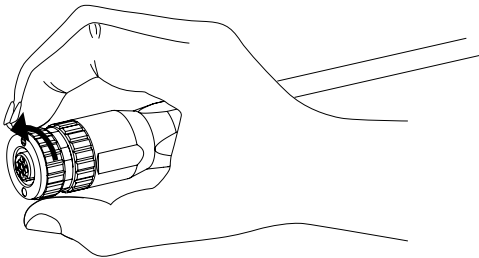
7

Connect the sensor cable with the connector to the Wavelet. Turn the adjustable black plastic or silver end piece of the connector to secure the sensor connector to the Wavelet.

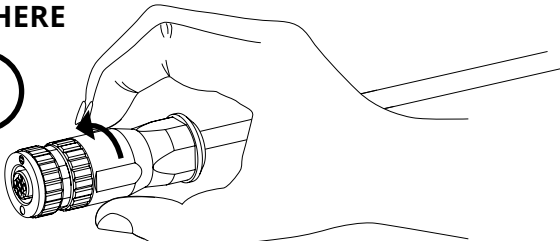


**CAUTION:** Do not turn the black plastic hood of the connector. Turning the black hood will cause the wires to disconnect, break, and/or damage the connector pins.

**TURN HERE**



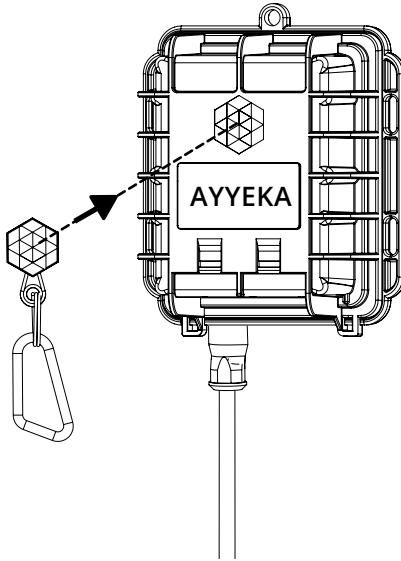
**DO NOT  
TURN HERE**



## WAVELET ACTIVATION

8

Place the Wavelet Activator on the Ayyeka logo on the Wavelet front panel for a few seconds. Wavelet will initiate a 10 minute online test mode.



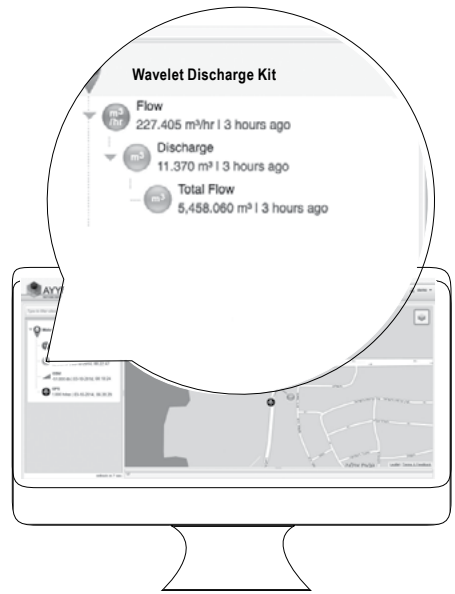
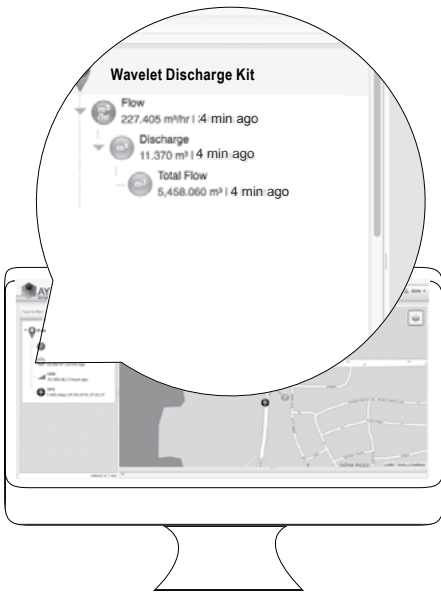
9

Access the Ayyeka user interface at [home.ayyeka.com](http://home.ayyeka.com) using your log-in credentials. Expect data to appear between 10 – 20 minutes after the online test mode is complete.



10

The screen display should resemble the following:



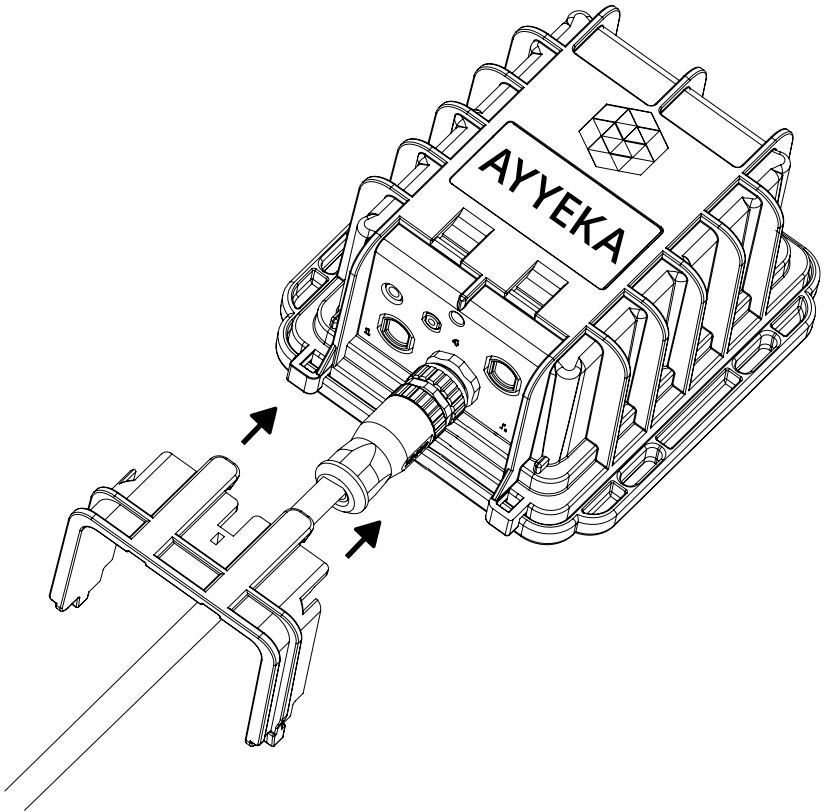
If Wavelet is transmitting properly, you have completed the installation successfully and can begin collecting and viewing your



If data does not transmit properly, change the Wavelet installation location and activate again. If the problem persists, contact [support@ayyeka.com](mailto:support@ayyeka.com) or +1 (310) 876-8040 for assistance.

11

After the Wavelet completes the transmission process, place the Wavelet protector above the connector ports and secure the Wavelet protector into the Wavelet enclosure.

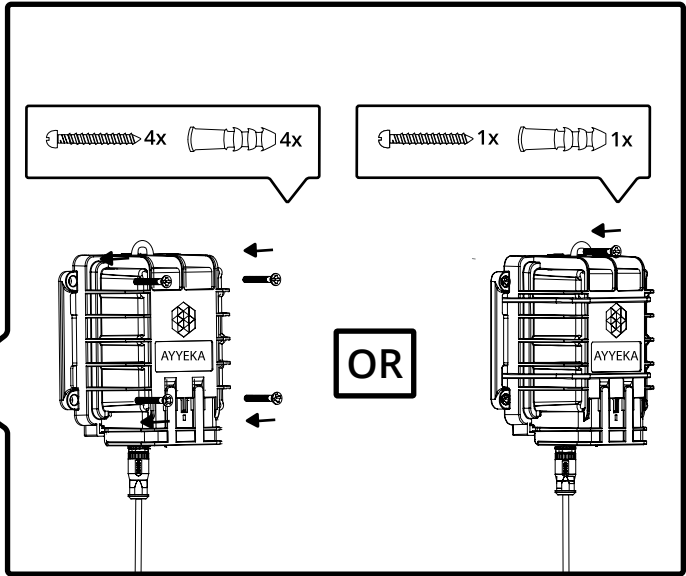


**CAUTION:** The protector is provided to shield the connector from tampering or overexposure that could result in disconnected wiring.

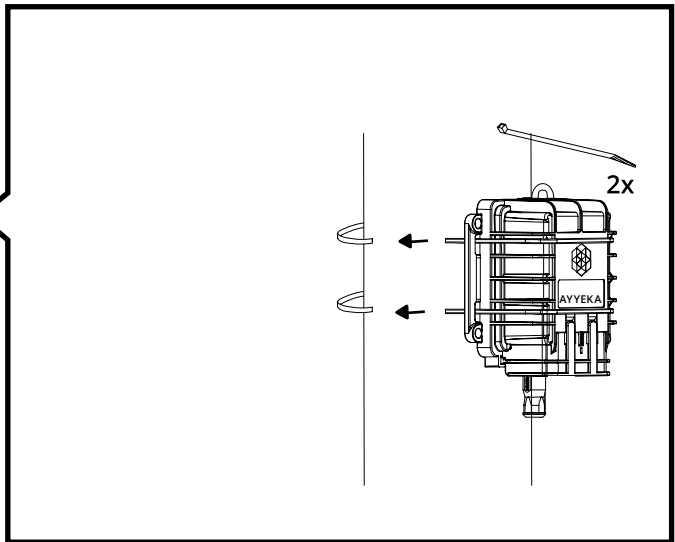
12

Install the Wavelet to its location.

Wall Mounted



Ladder mounted





**YOUR WAVELET DISCHARGE  
KIT IS NOW SUCCESSFULLY  
INSTALLED!**

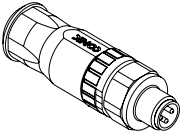


# WIRING INSTRUCTIONS

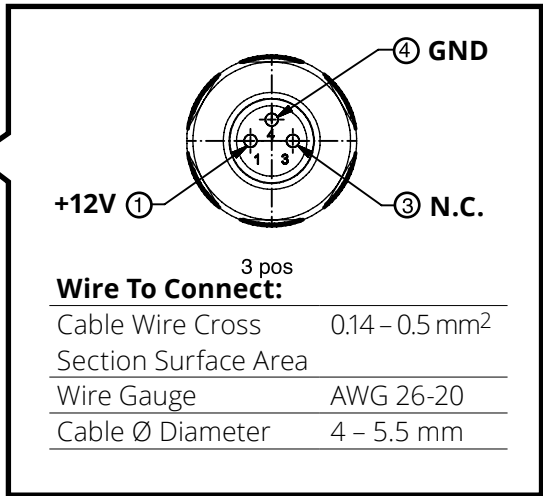
If external power connection is desired, external power connector instructions are as follows:

## A. EXTERNAL POWER:

Power Connector



+ Installation Tool  
for Wire Termination  
(Included)





QUESTIONS?

[www.ayyeka.com](http://www.ayyeka.com)  
[support@ayyeka.com](mailto:support@ayyeka.com)  
+1 (310) 876-8040