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WARNING

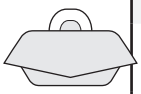
The following is a series of wiring diagrams for several different sensors. Please locate the sensor you are going to use in the list below and follow the corresponding wiring diagram and setup in either Atlas or EOL Manager.

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

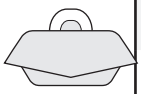
HUKSEFLUX - OUTPUT: 4-20mA | PYRANOMETER

SR20-D2
SR15-D2A2
SR05-D2A2
SR11-TR
LP02-TR

SENSOR WIRING TABLE



Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
	●	Blue	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Red	Supply (+)	+		●	Red	Power Input	+		BAT	+
	●	Pink	4-20mA (+)	+								



TR models

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
						●	Black	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Green	Signal (-)	B		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
	○	White	Signal (+)	A		●	Red	Power Input	+		BAT	+

Note: *4 mA ⟶ 0 W/m²; 20mA ⟶ 1600 W/m²*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Voltage
- Sensor Model: **Volts**
- Slope: 401.6064
- Offset: -400

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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HUKSEFLUX - OUTPUT: 4-20mA | PYRANOMETER

SR20-D2 **SR11-TR**

SR15-D2A2 **LP02-TR**

SR05-D2A2

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the "right arrow" on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.
4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.
5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	01	milliVolts
EOL ZENITH	any	Solar radiation	01	miliVolts

Keep in mind: *if the sensor channel has been configured as milliVolts, the output values on data logger display will always be shown in milliVolts. Remember to fill in both the slope and the offset for the pyranometer sensor to see real sensor values in* W/m^2 *in your datasets during a real-time connection with the data logger (from either Atlas or Atlas Mobile).*

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Voltmeter
- Sensor Model: **Generic Voltimeter**
- Slope: 401.6064
- Offset: -400

Last modified: 25.06.2021

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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HUKSEFLUX - OUTPUT: 4-20mA | ALBEDOMETER

SRA20-D2

SRA15-D2A2

SENSOR WIRING TABLE

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
Global Radiation						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
	●	Blue	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Red	Supply (+)	+		●	Red	Power Input	+		BAT	+
	●	Pink	4-20mA (+)	+								
Reflected Radiation						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
	●	Blue	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Red	Supply (+)	+		●	Red	Power Input	+		BAT	+
	●	Pink	4-20mA (+)	+								

Note: *4 mA ⟶ 0 W/m²; 20mA ⟶ 1600 W/m²*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

GLOBAL RADIATION
- Group: Analog channels
- Sensor Type: Voltage
- Sensor Model: **Volts**
- Slope: 401.6064
- Offset: -400

REFLECTED RADIATION
- Group: Analog channels
- Sensor Type: Voltage
- Sensor Model: **Volts**
- Slope: 401.6064
- Offset: -400

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HUKSEFLUX - OUTPUT: 4-20mA | ALBEDOMETER

SRA20-D2

SRA15-D2A2

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	01	milliVolts
EOL ZENITH	any	Solar radiation	01	miliVolts

Keep in mind: *if the sensor channel has been configured as milliVolts, the output values on data logger display will always be shown in milliVolts. Remember to fill in both the slope and the offset for the pyranometer sensor to see real sensor values in* ***W/m²*** *in your datasets during a real-time connection with the data logger (from either Atlas or Atlas Mobile).*

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

GLOBAL RADIATION
- Group: Analog Inputs
- Sensor Type: Voltmeter
- Sensor Model: **Generic Voltimeter**
- Slope: 401.6064
- Offset: -400

REFLECTED RADIATION
- Group: Analog Inputs
- Sensor Type: Voltmeter
- Sensor Model: **Generic Voltimeter**
- Slope: 401.6064
- Offset: -400

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HUKSEFLUX - OUTPUT: mV | PYRANOMETER

SR20-T1 **SR11**

SR15-A1 **SR12**

SR05-A1 **LP02**

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors			Orbit 360			EOL Zenith	
						Section	Terminal	Type	Section	Type
	Green		A	K	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	– –
	White		B	L	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
									Extra Analog	1 2 3 4 5 6 7 8
				H	Green	Power Input	+		BAT	+
				G	Do not connect					

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HUKSEFLUX - OUTPUT: mV | PYRANOMETER

SR20-T1 **SR11**

SR15-A1 **SR12**

SR05-A1 **LP02**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

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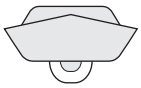
HUKSEFLUX - OUTPUT: mV | ALBEDOMETER

SRA20-T1 2X SR11 + AMF02 mounting fixture

SRA15-A1

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors				Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
 Global Radiation	●	Green	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						
 Reflected Radiation	●	Green	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

GLOBAL RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

REFLECTED RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HUKSEFLUX - OUTPUT: mV | ALBEDOMETER

SRA20-T1 **2X SR11 + AMF02 mounting fixture**

SRA15-A1

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

GLOBAL RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

REFLECTED RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Last modified: 25.06.2021

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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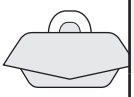
KIPP & ZONEN - OUTPUT: 4-20mA | PYRANOMETER

SMP3 **SMP6** **SMP10**

SMP11 **SMP21** **SMP22**

SENSOR WIRING TABLE

Sensor Model	Sensor Pin	Manufacturer Colors		Kintech Connector R: 249Ω (1%)			Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
						White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	Green	4-20mA (+)		S		Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
	Brown	4-20mA (-)		-		Black	Power Input	(-)		BAT	−
	Black	Supply (-)									
	White	Supply (+)		+		Red	Power Input	+		BAT	+

Note: *4 mA → 0 W/m2 ; 20mA → 1600 W/m2*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Sensor Type: 401.6064
- Sensor Type: -400

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

KIPP & ZONEN - OUTPUT: 4-20mA | PYRANOMETER

SMP3 **SMP6** **SMP10**

SMP11 **SMP21** **SMP22**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Sensor Type: 401.6064
- Sensor Type: -400

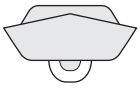
Last modified: 28.06.2021

KIPP & ZONEN - OUTPUT: 4-20mA| ALBEDOMETER

SMP3 + mounting rod **SMA6** **SMA11**

SMP21 + CMF1 mounting fixture **SMP22 + CMF1 mounting fixture**

SENSOR WIRING TABLE

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Green	4-20mA (+)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
Global Radiation	●	Brown	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Black	Supply (-)									
	○	White	Supply (+)	+		●	Red	Power Input	+		BAT	+
						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Green	4-20mA (+)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
Reflected Radiation	●	Brown	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Black	Supply (-)									
	○	White	Supply (+)	+		●	Red	Power Input	+		BAT	+

Note: *4 mA → 0 W/m2 ; 20mA → 1600 W/m2*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

GLOBAL RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

REFLECTED RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for*

KIPP & ZONEN - OUTPUT: mV | ALBEDOMETER

SMP3 + mounting rod **SMA6** **SMA11**

SMP21 + CMF1 mounting fixture **SMP22 + CMF1 mounting fixture**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the "right arrow" on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.
4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.
5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

GLOBAL RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

REFLECTED RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

Last modified: 28.06.2021

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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KIPP & ZONEN - OUTPUT: mV | PYRANOMETER

CMP3 **CMP6** **CMP10**

CMP11 **CMP21** **CMP22**

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors			Orbit 360			EOL Zenith	
						Section	Terminal	Type	Section	Type
	Blue		A K	Brown		Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	– –
	Red		B L	White		Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
									Extra Analog	1 2 3 4 5 6 7 8
			H	Green		Power Input	+		BAT	+
			G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

KIPP & ZONEN - OUTPUT: mV | PYRANOMETER

CMP3 **CMP6** **CMP10**

CMP11 **CMP21** **CMP22**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Last modified: 28.06.2021

KIPP & ZONEN - OUTPUT: mV | ALBEDOMETER

CMP3 + mounting rod **CMA6** **CMA11**

CMP21 + CMF1 mounting fixture **CMP22 + CMF1 mounting fixture**

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors			Orbit 360 Section	Orbit 360 Terminal	Orbit 360 Type	EOL Zenith Section	EOL Zenith Type
Global Radiation	Blue	Blue	A	K	Brown	Analog Channels	47 51 55 59 64 / 68 72 76 80 87	(-)	Analog Inputs	– –
	Red	Red	B	L	White	Analog Channels	48 52 56 60 65 / 69 73 77 81 84 / 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
									Extra Analog	1 2 3 4 / 5 6 7 8
				H	Green	Power Input	+		BAT	+
				G	Do not connect					
Reflected Radiation	Blue	Blue	A	K	Brown	Analog Channels	47 51 55 59 64 / 68 72 76 80 87	(-)	Analog Inputs	– –
	Red	Red	B	L	White	Analog Channels	48 52 56 60 65 / 69 73 77 81 84 / 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
									Extra Analog	1 2 3 4 / 5 6 7 8
				H	Green	Power Input	+		BAT	+
				G	Do not connect					

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

GLOBAL RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

REFLECTED RADIATION
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

For more information please contact **web@kintech-engineering.com**
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KIPP & ZONEN - OUTPUT: mV | ALBEDOMETER

CMP3 + mounting rod **CMA6** **CMA11**

CMP21 + CMF1 mounting fixture **CMP22 + CMF1 mounting fixture**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the "right arrow" on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.
4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.
5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

GLOBAL RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

REFLECTED RADIATION
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

Last modified: 28.06.2021

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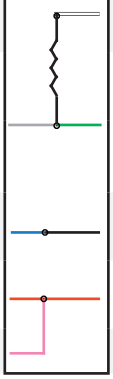
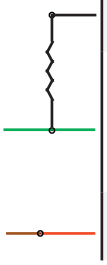
EKO MS80 | PYRANOMETER

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors				Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
	○	White	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
MS80-MS80S	●	Brown	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
mV output				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
MS80S 4-20mA output	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	○	White	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Brown	Supply (+)	+		●	Red	Power Input	+		BAT	+
	Do not connected			+								

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
						●	Black	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
MS80A 4-20mA output	○	White	Signal (-)	B		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	●	Brown	Signal (+)	A		●	Red	Power Input	+		BAT	+

Note: *4 mA ⟶ 0 W/m²; 20mA ⟶ 1600 W/m²*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

For more information please contact **web@kintech-engineering.com**
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Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

MS80S/MS80 (mV output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS80S/MS80A (4-20mA output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

MS80S/MS80 (mV output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS80S/MS80A (4-20mA output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

Last modified: 29.06.2021

For more information please contact **web@kintech-engineering.com**
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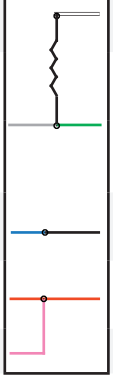
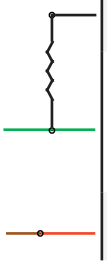
EKO MS60 | PYRANOMETER

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors				Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
 **MS60** mV output	●	Brown	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
 **MS60S** 4-20mA output						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	○	White	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Brown	Supply (+)	+		●	Red	Power Input	+		BAT	+
	Do not connected			+								

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
 **MS60A** 4-20mA output						●	Black	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	Signal (-)	B		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	●	Brown	Signal (+)	A		●	Red	Power Input	+		BAT	+

Note: *4 mA ⟶ 0 W/m²; 20mA ⟶ 1600 W/m²*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

MS60S/MS60 (mV output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS60S/MS60A (4-20mA output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

MS60S/MS60 (mV output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS60S/MS60A (4-20mA output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

Last modified: 29.06.2021

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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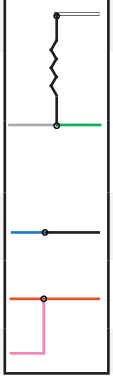
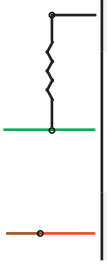
EKO MS40 | PYRANOMETER

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors				Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
 **MS40** mV output	●	Brown	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
 **MS40S** 4-20mA output						○	White	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	●	Grey	Supply (-)	S		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	○	White	4-20mA (-)	-		●	Black	Power Input	(-)		BAT	−
	●	Brown	Supply (+)	+		●	Red	Power Input	+		BAT	+
	Do not connected			+								

Sensor Model	Sensor Pin Manufacturer Colors			Kintech Connector R: 249Ω (1%)				Orbit 360			EOL Zenith	
								Section	Terminal	Type	Section	Type
 **MS40A** 4-20mA output						●	Black	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	Signal (-)	B		●	Green	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
											Extra Analog	1 2 3 4 5 6 7 8
	●	Brown	Signal (+)	A		●	Red	Power Input	+		BAT	+

Note: *4 mA ⟶ 0 W/m²; 20mA ⟶ 1600 W/m²*

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

For more information please contact **web@kintech-engineering.com**
or visit our website **www.kintech-engineering.com**

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Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

MS40S/MS40 (mV output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS40S/MS40A (4-20mA output)
- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:
1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

MS40S/MS40 (mV output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

MS40S/MS40A (4-20mA output)
- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 401.6064
- Offset: -400

Last modified: 29.06.2021

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EKO MS802 | PYRANOMETER

SENSOR WIRING TABLE

Sensor Model	Manufacturer Cable Colors		Kintech AMPVAR* Kintech Colors				Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
	●	Black	A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	○	White	B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs	1 2 3 4 5
										Extra Analog	1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:

1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the “right arrow” on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the “right arrow” on the keypad.
4. Now click “Set” on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the “right arrow” key twice to select it and save.
5. Click the “left arrow” several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	42	THERMOPILE
EOL ZENITH	any	Solar radiation	42	THERMOPILE

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**

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LICOR LI-200SZ | PYRANOMETER

SENSOR WIRING TABLE

Sensor Model	Sensor Pin	Kintech AMPVAR* R:147Ω (0,1%)					Orbit 360			EOL Zenith	
							Section	Terminal	Type	Section	Type
	Conductor		A	K	●	Brown	Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	Analog Inputs	− −
	Shield		B	L	○	White	Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal	Analog Inputs Extra Analog	1 2 3 4 5 1 2 3 4 5 6 7 8
				H	●	Green	Power Input	+		BAT	+
				G	Do not connect						

Note: **AMPVAR amplifier is provided by Kintech Engineering.*
Consult to the Solar department (solar@kintech-engineering.com) for its configuration and Slope and Offset.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 BASIC PLUS**.
Minimum **firmware** required: **any**.

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model:

- Group: Analog channels
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 409.6
- Offset: -407.962

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.

HOW TO CONFIGURE THIS SENSOR ON SITE

We recommend performing the entire sensor configuration using Atlas at the office before installing sensors onsite. Once the sensor is correctly setup in Atlas, use the *Upload settings* tool, to upload the sensor configuration to the data logger.
In case you are already on site and need to configure the sensor directly on the data logger, follow these steps:

1. Turn on the data logger.
2. Using the keypad on the data logger, navigate the menu until you see *Sensor model*, then click the "right arrow" on the keypad.
3. Now scroll down to the channel you are going to connect the sensor to, and click the "right arrow" on the keypad.
4. Now click "Set" on the keypad and scroll up in the menu to set the sensor model type according to the table here below. Once you have found the correct sensor model, click the "right arrow" key twice to select it and save.
5. Click the "left arrow" several times to go back to the main menu.

Data logger model	Firmware version	Sensor model type on data logger		
		Magnitude	Number	Name
ORBIT 360	any	Solar radiation	01	milliVolts
EOL ZENITH	any	Solar radiation	01	miliVolts

Keep in mind: *if the sensor channel has been configured as milliVolts, the output values on data logger display will always be shown in milliVolts. Remember to fill in both the slope and the offset for the pyranometer sensor to see real sensor values in* W/m^2 *in your datasets during a real-time connection with the data logger (from either Atlas or Atlas Mobile).*

HOW TO CONFIGURE IN EOL MANAGER

Open EOL Manager and go to *Settings* of the data logger you are working on. Open the *Inputs* tab and select the following type and model:

- Group: Analog Inputs
- Sensor Type: Radiation
- Sensor Model: **Thermopile**
- Slope: 409.6
- Offset: -407.962

Last modified: 29.06.2021