

Greddy
SIRIUS
Next Generation Technology Meter

meter
vision
unify
control unit

Instruction Manual

Introduction

TRUST CO., LTD. would like to thank you for purchasing this product.

Please be sure to read this instruction manual completely before using this product.

Always keep this instruction manual in a place which can be easily accessed.

This product is designed for off-road use only.

Observe all local traffic laws and do not use this product while operating a motor vehicle.

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Safety & Handling Precautions

In order to use this product safely, installation and operation must be performed correctly.

Please read the safety precautions in this manual carefully and the instruction manual of the vehicle to which this product is to be installed.

Only proceed to installation after the contents of this manual have been fully understood.

Carefully pay attention and understand the following notations during installation to prevent any bodily injury or damage to the product, vehicle or property.



Ignoring this indication and handling it incorrectly can result in death or serious injury.



Ignoring this indication may lead to damage to the product or vehicle.



Observe this precaution in order to use this product properly.



This is information you should know in order to use the production properly.

WARNING

- Personal injury or death could result due to misuse or improper handling of this product. Pay close attention to this installation manual as well as the vehicle' s manual in order to properly operate and manage this product.
- Check and make sure there are no flammable items underneath the vehicle prior to commencing installation. Automobile exhausts can reach temperatures high enough to ignite flammable materials such as dry grass, creating the danger of a fire.
- Only have the engine running when necessary. Due to the exhaust gasses emitted from the exhaust, carbon monoxide poisoning may occur in a closed garage or warehouse. Take precautions to work in a well ventilated area, especially when the engine is running.
- To prevent injury or burns, fire or malfunction of the vehicle, only a competent mechanic who received specialized training should install and wire this product.
- Due to the risk of an accident, vehicle malfunction or fire if this product suddenly falls off during driving. Take into consideration vibrations that will occur under normal driving conditions before installing this product.
- The incorrect use of tools such as soldering irons and nippers may cause injury, burns etc. Please carefully read the instruction manual for each tool and use it properly after observing the precautions stated by the manufacturer.
- After completing the installation, please be sure to check that there are no obstructions to pedal operation or around the seat or foot area. If empty cans or tools are caught under the pedals, operation may become impossible, causing a life-threatening situation.
- Do not install this product near the deployment area of the air bag. Doing so may cause the product to become a projectile upon deployment of the airbag, which could lead to serious injury or death.
- Never operate this product while driving. There exists the danger of causing unexpected accidents due to inattentive driving.
- When transferring ownership of the vehicle that this product is installed in, be sure to inform the new owner and provide this instruction manual and warranty card for future use.

Safety & Handling Precautions

CAUTION

- Do not disassemble or modify this product in any way. Not only will it cause failure, it will not be covered by warranty.
- Do not wire incorrectly or short circuit. There is a risk of damaging not only this product but also the vehicle' s electrical system. Trust will not bear any responsibility in these circumstances.
- We cannot assume any responsibility for damage related to the work of installing this product, so please work carefully.
- Please do not install this product in places with high humidity, dust or high temperatures such as in or around heater ports.
- Do not install this product in places subject to electric interference. This includes areas such as ignition signal or radio. Also, please do not use this product in places where powerful radio waves are generated. Noises due to radio waves etc. may cause malfunction of this product.
- Before commencing any wiring work, be sure to remove the key from the key cylinder and remove the negative terminal on the battery. There is a risk of short-circuiting when working with an active power source. Also, this is dangerous.
- Insulate by winding vinyl tape or similar on spliced wires which have been connected by soldering.
- Make sure to affix wire harnesses with a tie wrap or similar to ensure that they does not come off.

i IMPORTANT

- This product is intended for off-road vehicles which may never be driven on a public road.
- This product is only compatible with 12V vehicles.
- By removing the negative battery terminal, some of the vehicle's memory contents may be deleted. This includes things such as the clock, audio, navigation system, electric seat, etc. Please check the operation manual of each product before performing any work. After completing the installation, please set again according to the instruction manual of each product.

i FOLLOW

- Since this product is a precision instrument, it is very important not to drop or expose to strong impact.
- When cleaning this product, wipe with a dry cloth. In cases where product has become severely soiled, please wipe with a cloth immersed in a small amount of water and firmly squeezed. Never use benzene thinners on this product, as the case and paint will deteriorate.
- Please understand that this product and this instruction manual may be changed or revised without notice.
- Please contact the authorized distributor that this product was purchased from for any inquiries regarding its use. Any warranty claims made by customers who purchased outside of the authorized dealer network will not be accepted. For a list of authorized distributors, please visit the link below.

<http://www.trust-power.com/authorized-distributors/>

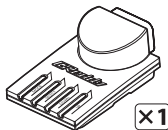
Components

Components

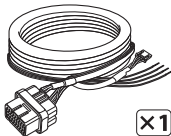
- When unpacking the product, please check whether there are any differences in contents or in quantity.
- Also check that there are no differences between the serial number stated in the warranty card and the the main body.

In the unlikely event that there is difference, please contact the authorized retailer where the product was purchased.

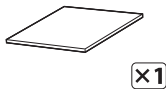
sirius Control Unit Kit



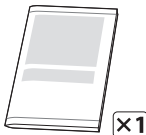
Control Unit



Main Harness



Double-sided Tape



**Instruction Manual
(Japanese)**



**Warranty Card
(Japanese)**

sirius meter Kit



Meter

X1



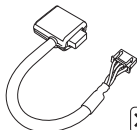
Stand

X1



Double-sided Tape

X1



Link Cable

X1



**Warranty Card
(Japanese)**

X1



**Stand Bolts
M4×15 P0.7 HEX3**

X1

Boost Set



**Boost
Sensor**

X1



**Boost Sensor Harness
3 Pin (Red/White/Black)**

X1



3 Way Joint

X1



4mm hose .5m

X1

Temp Set



**Temperature
Sensor(1/BPT)**

X1



**Temperature Sensor Harness
2 Pin (White/Black)**

X1

Press Set



**Pressure
Sensor
(1/BPT)**

X1



**Pressure Sensor Harness
3 Pin (Red/White/Black)**

X1

Components

Components

sirius vision Kit



X1

Meter



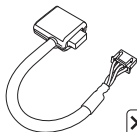
X1

Stand



X1

Double-sided Tape



X1

Link Cable



X1

**Warranty Card
(Japanese)**



X1

**Stand Bolts
M4×15 P0.7 HEX3**

Various sensors are sold separately in order to choose the type needed according to application. Please purchase these separately.

sirius unify Kit



Meter

X1



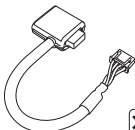
Stand

X1



Double-sided Tape

X1



Link Cable

X2



**Warranty Card
(Japanese)**

X1



**Stand Bolts
M4x15 PO.7 HEX3**

X1

Boost Set



**Boost
Sensor**

X1



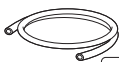
**Boost Sensor Harness
3 Pin (Red/White/Black)**

X1



3 Way Joint

X1



4mm hose .5m

X1

Temp Set



**Temperature
Sensor (1/8PT)**

X1



**Temperature Sensor Harness
2 Pin (White/Black)**

X1

Press Set



**Pressure
Sensor
(1/8PT)**

X1

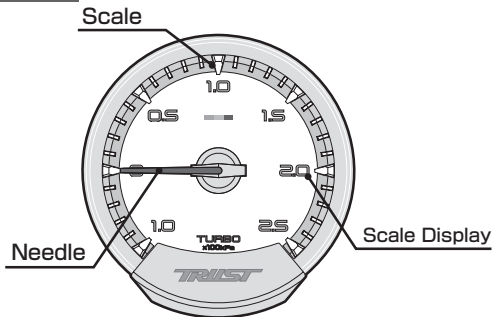


**Pressure Sensor Harness
3 Pin (Red/White/Black)**

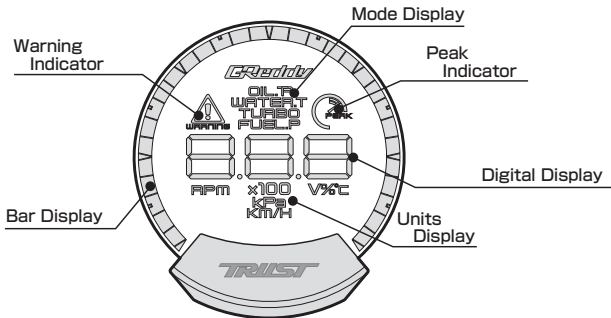
X1

Component Names

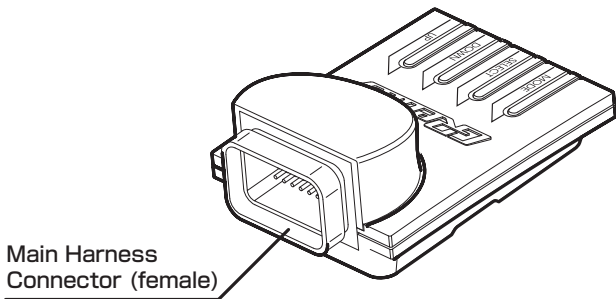
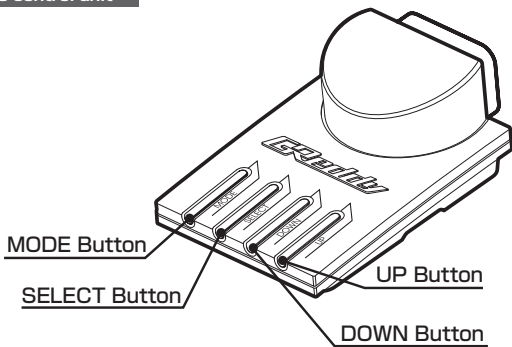
sirius meter



sirius vision



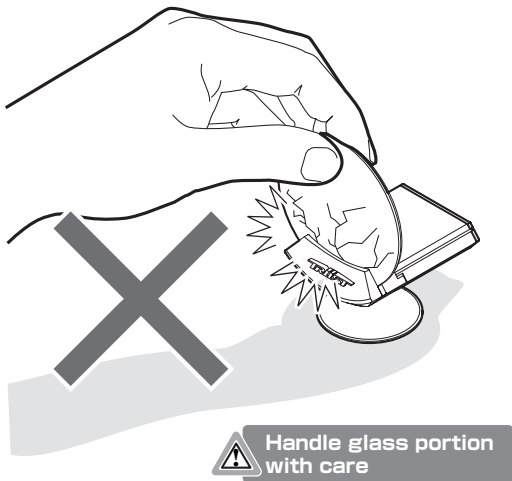
sirius control unit



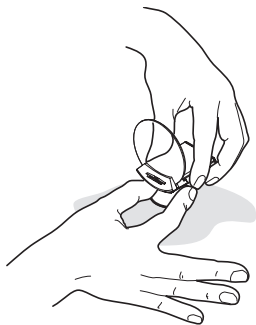
Handling Precautions

The glass panel portion of the sirius vision may be damaged if strong force or pressure is applied. Please handle with care.

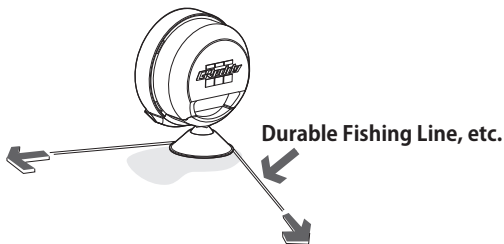
Also, be careful not to hit the edge of the glass strongly, as it may chip.



When handling the panel part or changing the angle of the meter, etc., always support by the main case and treat the glass panel with care as to not apply any force or pressure.



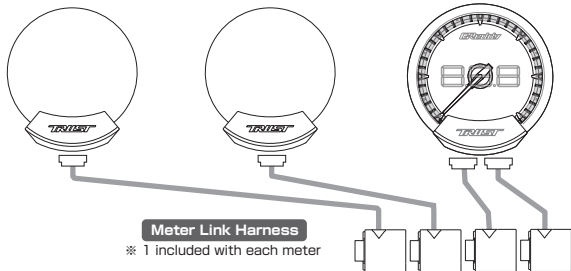
Whenever removing a meter from the double-sided tape, do not pull the main body with excessive force, as this could damage the swing adjustment mechanism. Please use extreme care when separating the adhesive body. A strong string such as fishing line may be used, but be careful not to damage the vehicle's panels.



Installation Diagram

sirius vision

sirius unify



ORANGE
RED
BLACK
WHITE

Continuous Power

Ignition

Ground

Illumination

**Boost Pressure
Sensor**



Connect

**Pressure
Sensor**



Connect

Up to 3 can be connected

※ Each sensor requires a dedicated harness

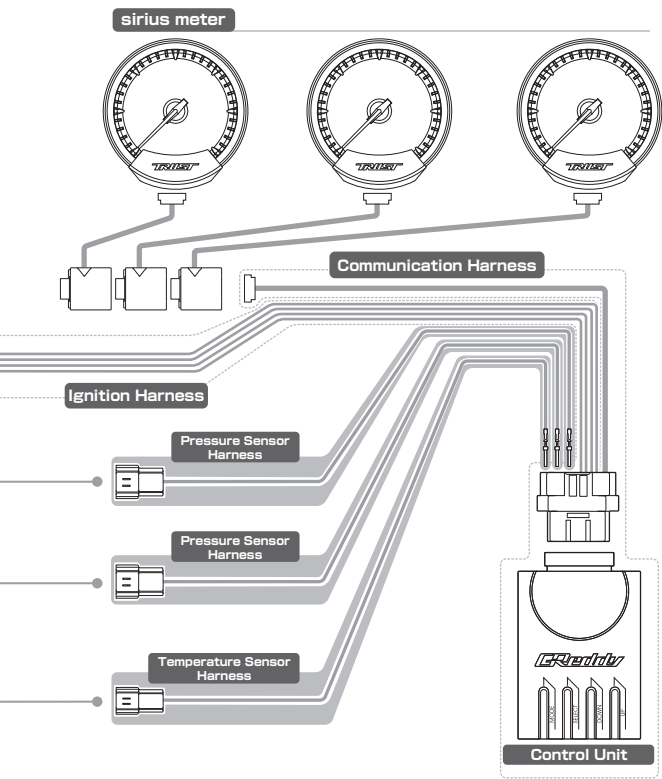
**Temperature
Sensor**



Connect

Up to 4 can be connected

※ Each sensor requires a dedicated harness

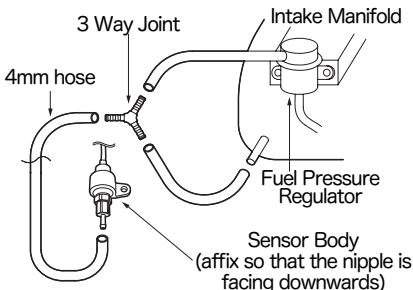


Installation

Sensor Installation Diagrams

Boost Sensor

(Using the 3 way joint and 4mm hose)

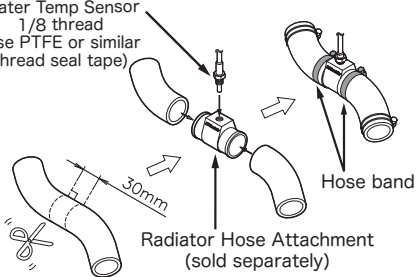


※Make sure to secure the hose with a hose clamp or similar

Temperature Sensor

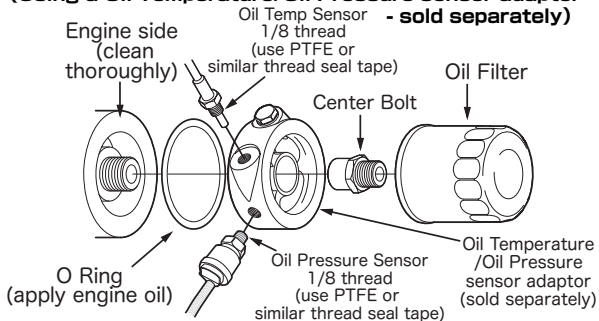
(Using a radiator adaptor - sold separately)

Water Temp Sensor
1/8 thread
(use PTFE or similar
thread seal tape)



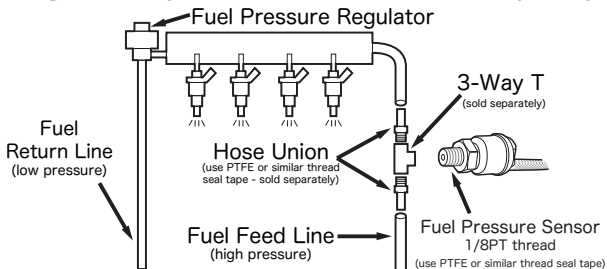
Oil Pressure • Oil Temperature Sensor

(Using a Oil Temperature/Oil Pressure sensor adaptor



Fuel Pressure Sensor

(Using a three-way tee block and hose unions - sold separately)



※Make sure to secure the hose with a hose clamp or similar

Installation

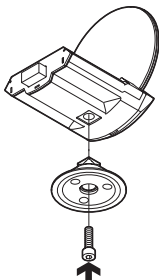
Installing the meter stand

There is a threaded hole for mounting the base on the bottom side of the meter body. Refer to the figure below and affix the stand to the base with the provided cap bolt.

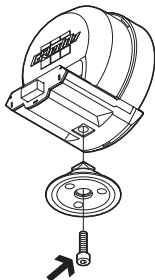
sirius meter



sirius vision

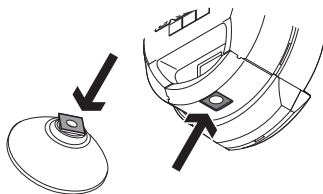


sirius unify



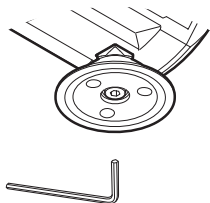
Cap Bolt M4 x15 P0.7 3mmHEX (Included)

The screw hole surface on the lower side of the meter body is the same rectangular groove as the meter stand mounting surface. When installing, tighten the cap bolt after ensuring that the mating surface of the meter pedestal fits properly in this groove.



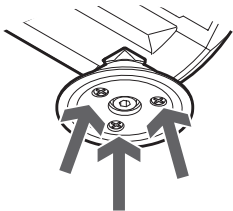
Tighten the bolt to the proper torque specifications using a hexagonal wrench.

Torque: 0.5 to 0.6 N · m (5 to 6 kgf · cm)

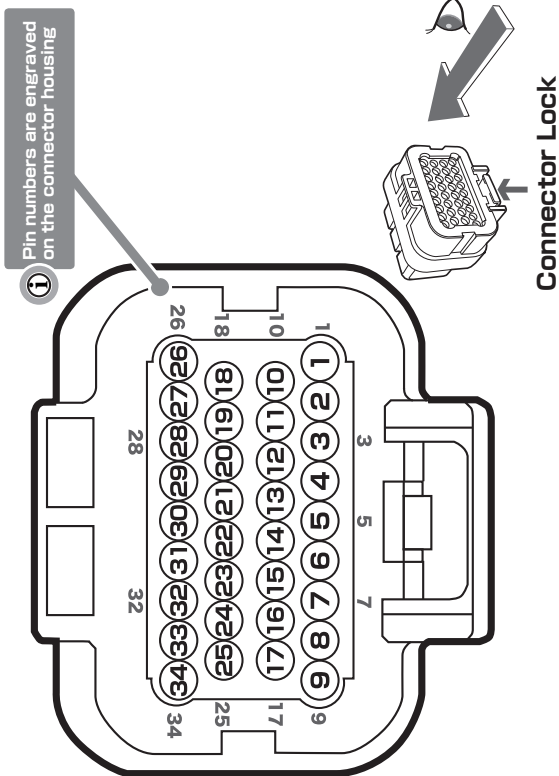


DO NOT over tighten as it could damage the case or bolt.

Firmness of the head swing can be adjusted by tightening the three screws on the bottom of the stand.



Main Harness Wiring

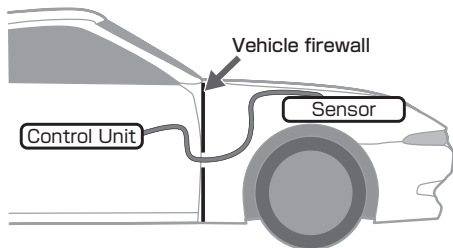


PIN#	Function	Class	Color
1	BOOST	+5V	RED
2		Signal	WHITE
3		Ground	BLACK
4	OIL PRESS	+5V	RED
5		Signal	WHITE
6		Ground	BLACK
7	FUEL PRESS	+5V	RED
8		Signal	WHITE
9		Ground	BLACK
10	WATER TEMP	+5V	WHITE
11		Ground	BLACK
12	OIL TEMP	+5V	WHITE
13		Ground	BLACK
14	AUX TEMP 2	+5V	WHITE
15		Ground	BLACK
16	AUX TEMP 1	+5V	WHITE
17		Ground	BLACK

PIN#	Function	Class	Color
18	EXPANSION PORT (* May be used for future upgraded features)	—	—
19		+5V	RED
20		Signal	WHITE
21		Ground	BLACK
22	AUX PRESS	—	—
23		Signal	WHITE
24		Ground	BLACK
25	METER COMMUNICATION HARNESS *Installed at time of shipping	+12V	RED
26		Ground	BLACK
27		CAN Hi	PINK
28	*Installed at time of shipping	CAN Lo	LIGHT BLUE
29		—	—
30	VEHICLE POWER SUPPLY *Installed at time of shipping	ILLUMINATION	WHITE
31		IG	RED
32		CONT +	ORANGE
33	GND	—	—
34		—	—

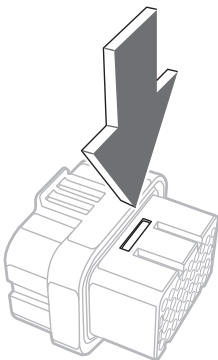
Installation

Feed sensor wiring harness through the vehicle's firewall by using the service holes.

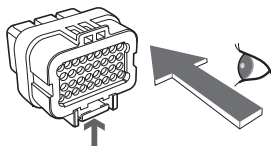


Unlock the main harness connector.

The lock is released by slightly pushing the pin, indicated by the arrow in the figure below, until it clicks. When the lock is released, the pin will remain in the unlocked position.

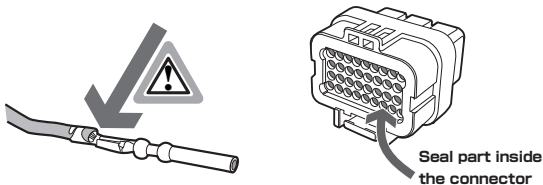


Refer to the pin position diagram and make sure that all connections are correct when inserting the terminal inside the connector. Installing pins incorrectly could result in damage to the unit.

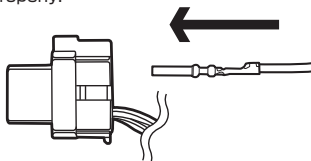


View with the lock pin facing DOWN

When inserting pins into the connector, be careful not to damage the seal part inside the connector housing as shown in the figure below.

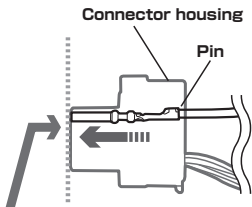
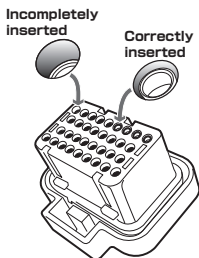


Please check carefully that the pins are firmly inserted in the connector. If a pin is not inserted completely, pin on the connector cannot be locked. This will result in a poor contact and the device may not operate properly.



Installation

The pins can be checked to make sure that they are firmly inserted in the connector completely by viewing from the front side of the connector. Refer to the figure below and check that the pins are correctly inserted.

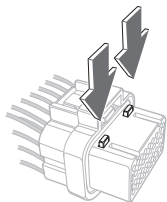


Confirm the pin is inserted completely.
If pins are not inserted completely, the lock pin will not operate properly



If a sensor is not connected, the DIGITAL display on the sirius vision will display as "- - -". In the case of a sirius meter, the needle will point below the the lowest value on the meter face.

After the pins are inserted correctly, proceed to set the pin lock on the connector.



Applying a strong force (such as striking with a hammer, piercing with a sharp pointed object such as a screwdriver, pulling with a plier, etc.) can result in the locking mechanism becoming damaged.

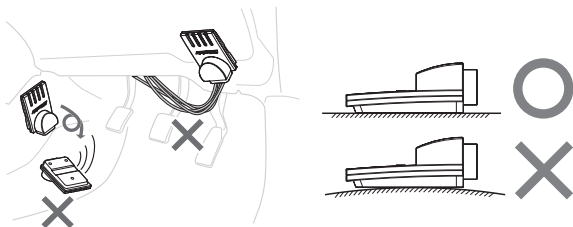
If it isn't able to be locked, check to make sure that the pin is inserted correctly in the connector housing again.

Installing the Control Unit

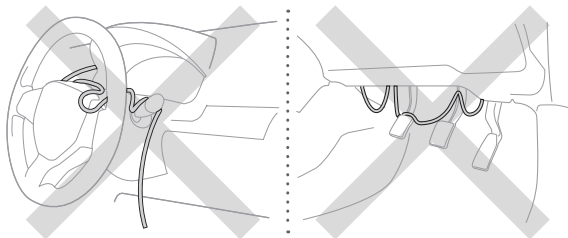
When choosing the mounting location of the control unit, make sure to affix it properly to reduce the risk of it becoming loose during driving. Install in an area that does not obstruct driver visibility or impede driving operation.

The Control Unit should be mounted on a flat surface. Mounting on a curved surface may increase the risk of the unit becoming loose during driving.

When using the included double-sided tape, cut the shape according to the bottom of the control unit. Please refer to p.61 for cutting dimensions.



Securely affix the wiring with a cable tie or similar. Please ensure that steering and/or pedal operation are not hindered and that there isn't the possibility of severing or disconnection of wire due to interference with any moving parts.



Installation

When using double sided tape, wipe off any oil and dirt to ensure a robust bond.

※ Please do not use any organic solvents such as paint thinner. It may cause discoloration or deformation on the applied surface/part.



Do not use organic solvents.

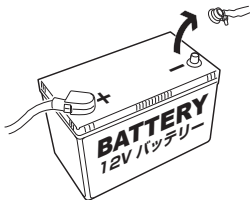
Power Supply Harness Wiring

Wiring Preparation

Please remove the negative terminal of the battery before wiring the power supply harness.

Please note that depending on the type of equipment (car navigation system, audio, etc.) currently installed in the vehicle, data (such as time and date) may be erased.

Also, depending on the vehicle, an error may occur by shutting off the battery power supply. Always consult the vehicle instruction manual prior to installation.



Please be mindful of losing data on other vehicle equipment



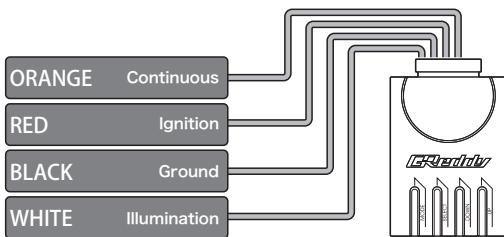
Please be careful to not cause a short in the battery

■ Wiring

Wiring of the power supply harness should be performed correctly according to the wire color with reference to the figure below.

Wiring the red wire and yellow wire to the ignition power supply or wiring the constant power supply and ignition power supply in reverse may cause a malfunction.

Be careful not to short-circuit during wiring, as it may cause damage to the internal circuit.



Power supply wiring examples on the vehicle side:

- **From audio equipment wiring**
- **From key ignition cylinder**
- **From ECU**

When wiring, please refer to the wiring diagram of the vehicle and be careful not to damage other wiring.

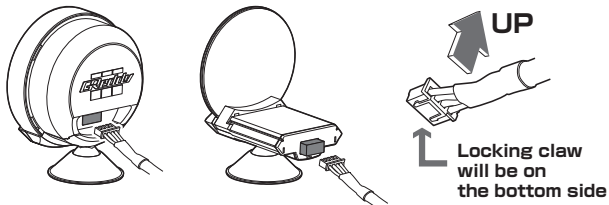
Installation

Connecting the Control Unit and Meters

Meter (meter, vision) connection

Connect the communication harness of the main harness to the connector on the back of the meter.

Please check carefully, as the connectors have top and bottom sides.



Meter (unify) connection

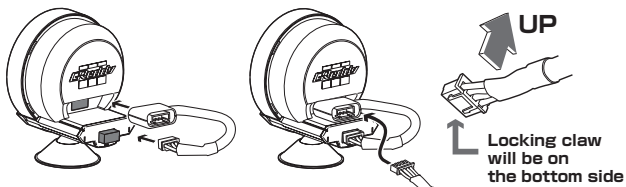
There are two connectors for connecting the communication harness on the back of the sirius unify.

You can connect and route the attached link harness by curving it as the illustration below.

If the link harness is hard and difficult to bend due to cool temperature etc., it can be warmed with a drier to make it soft and easier to bend.

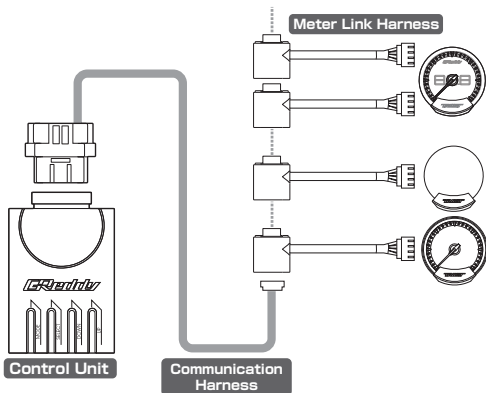
Connect the communication harness of the main harness to the branch connector.

Please check carefully, as the connectors have top and bottom sides.



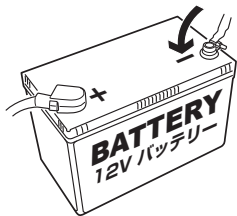
Linking Multiple Meters

Connect the communication harness of the main harness to the link cable. You can add meters by connecting cables.



Reconnecting the Battery

After completing the final check to ensure that all wiring is correct and connections are secure, reinstall the negative terminal to the battery.



Please be careful to not cause a short in the battery

Installation

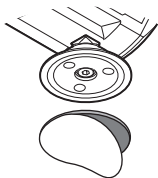
Meter Installation

When using double sided tape, wipe off any oil and dirt to ensure a robust bond.

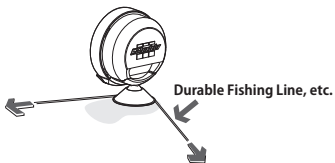
※ Please do not use any organic solvents such as paint thinner. It may cause discoloration or deformation on the applied surface/part.



Adjust the included double-sided tape to the base and cut it to the size of your choice and paste it. Refer to p. 60 for cutting dimensions.

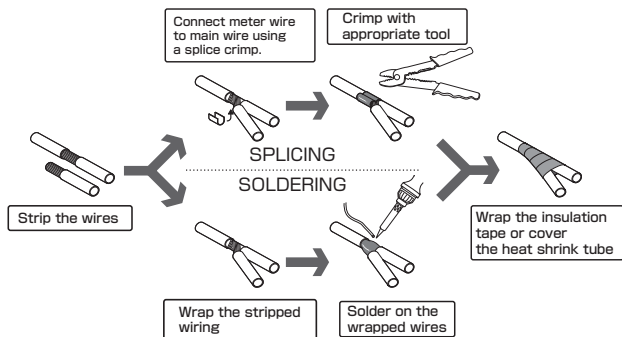


If it becomes difficult to peel off the meter from the bonded surface, please use a strong fishing line or similar to separate the adhesive. Twisting by force could break or damage the the main body.

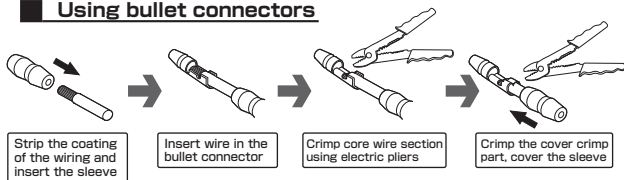


Wiring

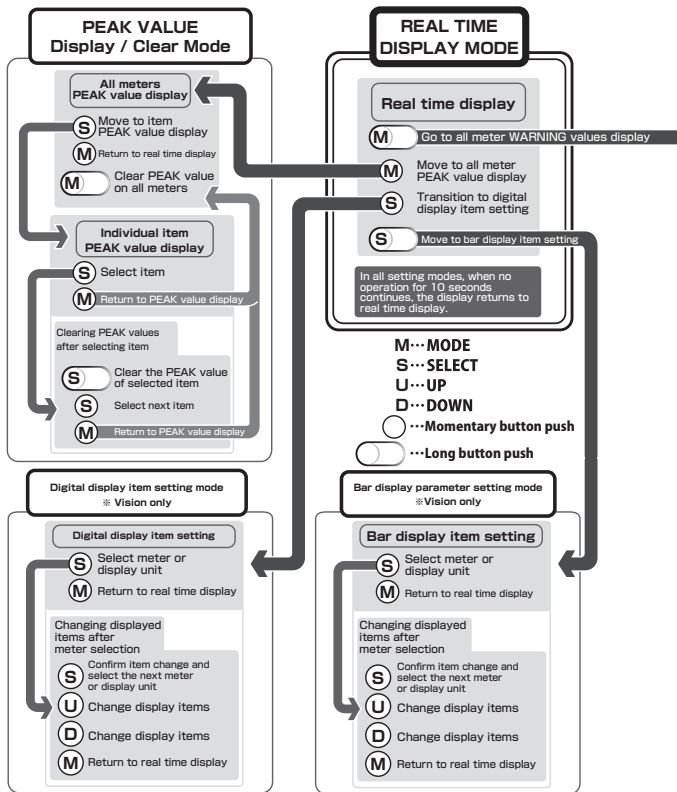
Splicing or soldering wiring



Using bullet connectors

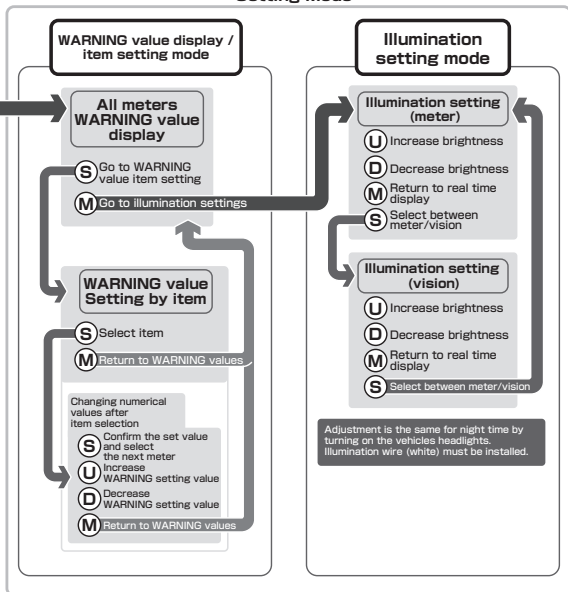


Operation

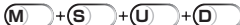


Setting Mode

lay



Reset Function



Hold all four buttons at the same time for 5 seconds

Opening/Ending ON/OFF Function

※Can only be accessed in real time display mode

M + **S** + **U** Opening/Ending ON

M + **S** + **D** Opening/Ending OFF

Operation flow chart

Operation

PEAK Value Display/Clear

The PEAK function stores and displays the maximum value (peak value) measured by the meter connected to the controller up to the present time. In real time display, pressing the MODE button once will turn on and display every meter's PEAK values.

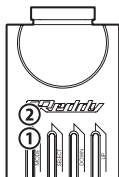
Displaying and Clearing PEAK values for all meters.

① ※ From real time display
Push the MODE button

PEAK Value display (all meters)

② Hold the MODE button

PEAK Value clear (all meters)



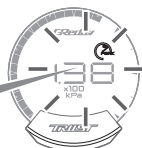
PEAK Value Display (all meters)

The needle will blink when displaying PEAK Values on all meters.



sirius meter

The numerical display will blink along with the PEAK indicator on all meters.



sirius vision

When the needle is blinking, this indicates that PEAK Values are being displayed.

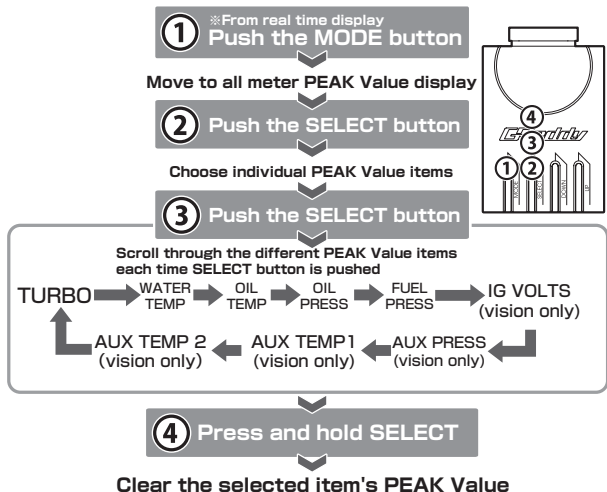
When the numerical display and the PEAK indicator are blinking, this indicates that PEAK Values are being displayed.

- To return to real time display, press the MODE button or meters will automatically return to real time value display after 10 seconds.
- To clear all meter's PEAK Values, press and hold the the MODE button.

Displaying and clearing individual item PEAK Values

During PEAK display (all meters) press the SELECT button select individual items to view.

Press the SELECT button again to scroll through the different items.



● Each time the SELECT button is pushed, the different items are repeatedly switched in the above order.

● While selecting items, the needle will blink on the meter and the PEAK indicator and PEAK values will blink on the vision.

● Pushing the SELECT button will move to the next item in order.

※ For details on screen display of non-dedicated items (AUX TEMP, AUX PRESS etc.), please refer to p.38.

Operation

- Pushing and holding the SELECT button will clear the selected item's PEAK Value. After clearing the selected item's PEAK Value, it will return to PEAK Value select menu.
- Push to MODE button to return to all meter PEAK Value display menu.
- If no button is pushed for 10 seconds or if MODE is pushed once more, it will automatically return to real time display.

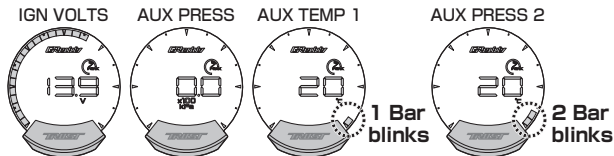


If the ITEM value being displayed is the same on the meter and vision (eg: TURBO on meter and TURBO on vision) they will be selected on both displays and thus will blink on both the meter and vision.

Non-dedicated Items (PEAK)

Non-dedicated items will display as below in the PEAK Value's menu.

※ Values in the diagram below are for reference purposes only.



WARNING display and setting

The WARNING function acts to notify when the measured item value exceeds the set value. In real time display, push and hold MODE button to enter all meters WARNING values.

Go to all meter WARNING Values

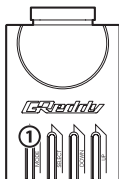
①

※From real time view

Push and hold the MODE button

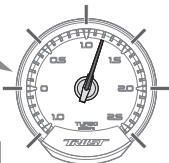
go to

all meter WARNING Value display mode



All meter WARNING Value display

When all meters WARNING values are displayed, the scale lighting turns red with the WARNING value.



sirius meter

When all meters WARNING values are displayed, the WARNING value will blink along with the WARNING Indicator.



sirius vision

The scale light turns red with the WARNING value, indicating that the WARNING value is being displayed.

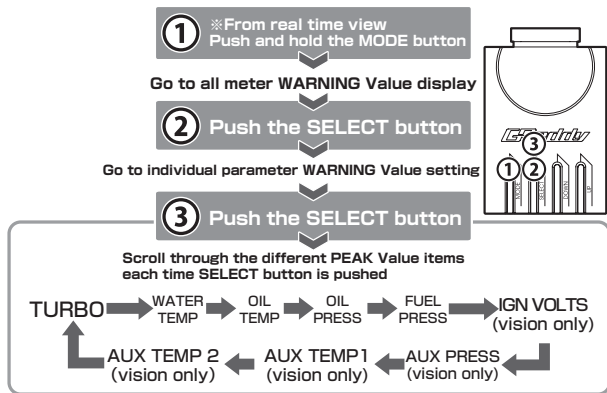
The WARNING indicator flashes with the WARNING value, indicating that the WARNING value is being displayed.

● When all meters WARNING values are displayed, if there is no operation for 10 seconds, it will automatically return to real time display.

Operation

Displaying individual items WARNING Values

When all meter WARNING values are displayed, pressing the SELECT button will set the item-specific WARNING value. Select items individually with the SELECT button.



● While selecting each item, the scale flashes quickly in red on the meter, and the WARNING indicator and WARNING value blink rapidly on the vision.

● Push the SELECT button to move to the next item.

* For details on screen display of non-dedicated items (AUX TEMP, AUX PRESS etc.), please refer to p.38.



If the item value being displayed is the same on the meter and vision (eg: TURBO on meter and TURBO on vision) they will be selected on both displays and thus will blink on both the meter and vision.

The WARNING value of the selected item is increased or decreased by pushing the UP and DOWN buttons.

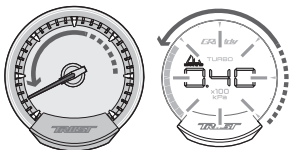
When increasing or decreasing values, pushing and holding the button incrementally increases the amount of change in value, resulting in faster numerical change.



i Pushing and holding the button will result in faster value change.

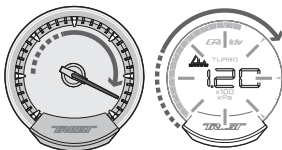
4 Push the DOWN button

Setting value will decrease



5 Push the UP button

Setting value will increase



Non-dedicated Items (WARNING)

Non-dedicated items will display as below in the PEAK Value's menu.

※ Values in the diagram below are for reference purposes only.

IGN VOLTS

AUX PRESS

AUX TEMP 1

AUX PRESS 2



1 Bar blinks



2 Bar blinks

Operation

Interrupt warning function

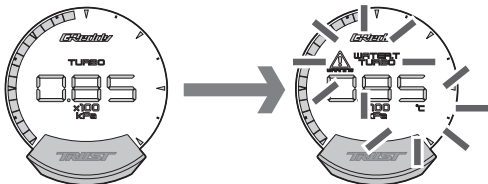
The interrupt warning function works when multiple sensors are connected to the sirius vision,

and an item other than the one currently being displayed enters the warning range. In this case the display will enter WARNING display mode.

In this mode, the vision will continue to show the current displayed item, but in addition the name of the item in warning range and the WARNING indicator will flash.

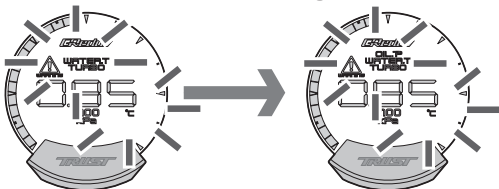
If more than one item has reached the WARNING range, then all those item names will blink.

Example: When the display item is set to "TURBO" and "WATER.T" reaches the WARNING area



WARNING indicator • item name (WATER.T) • unit (°C) flashes

When "OIL.T" also reaches the WARNING range from the above mode.



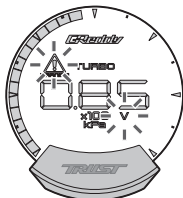
WARNING indicator • item name (WATER.T, OIL.T) • unit (°C) flashes

Non-dedicated Items (Interrupt Warning)

Non-dedicated items are displayed as follows.

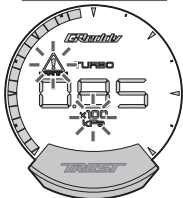
※ Values in the diagram below are for reference purposes only.

IGN VOLTS



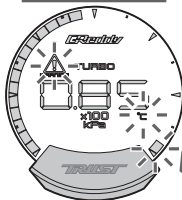
WARNING indicator
and volt unit (V) will blink

AUX PRESS



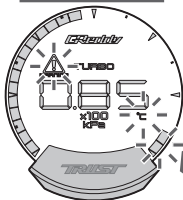
WARNING indicator
and pressure unit (kPa) will blink

AUX TEMP 1



WARNING indicator,
temperature unit (°C)
and AUX TEMP 1
identification bar (1 bar)
will blink

AUX TEMP 2



WARNING indicator,
temperature unit (°C)
and AUX TEMP 2
identification bar (2 bars)
will blink

Operation

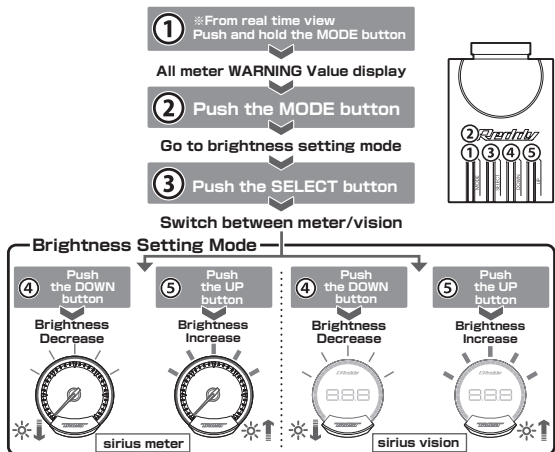
Brightness Settings

This function can adjust the brightness of meter / vision respectively. Also, independent brightness setting can be preformed when headlights are ON / OFF.

Brightness Setting Mode

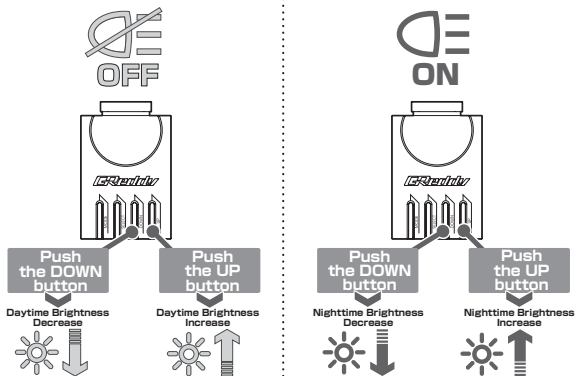
When all meters WARNING is displayed, press the MODE button again to enter brightness setting mode.

- In brightness setting mode, the meter blinks in white and the vision flashes the GReddy logo and bar display section. Press the UP button to increase the brightness, and press the DOWN button to decrease the brightness.
- You can switch from meter and vision by pressing the SELECT button.
- Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.



Brightness can be set separately for when the headlights are on (nighttime) and off (daytime). (Vehicle's illumination signal must be wired correctly in Control Unit)

- When you want to set the light brightness at night, please adjust the brightness with the vehicle's light switch on.
- When you want to set the light brightness during the day, please adjust the brightness with the vehicle's light switch off.



Operation

Display Item Settings (digital / bar)

In this mode, you can change the items displayed on sirius vision. Press the UP button or DOWN button to change the display. It is also possible to set the digital numerical display and the bar display to show these values.

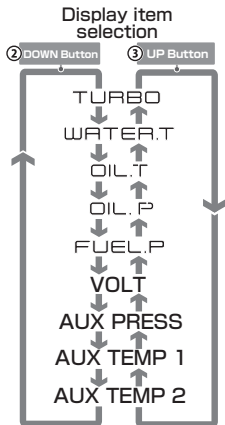
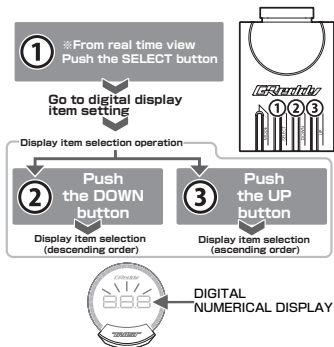
Move to display item setting (digital numerical display)

When sirius vision is connected to the controller, push the SELECT in real time mode to select displayed item.

● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.



If the digital numerical display and the bar display are set to show different items, the names of the two items will display. However, the unit of measure (C°, kPa, etc.) will only light up for the value of the digital numerical display.

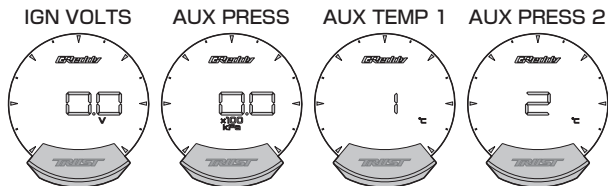


When no sensor is input, the DIGITAL display will read [---]

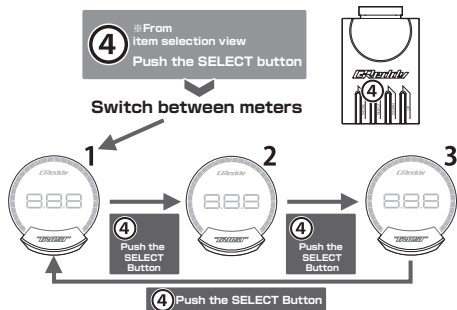
For the IGN VOLTS, AUX PRESS, AUX TEMP 1 & 2 refer to the diagram below.

※ When sensors for the corresponding parameters are connected, general use inputs (V) & (AUX) will be displayed as below in addition the GReddy logo.

※ The values for IGN VOLTS and AUX PRESS are for reference purposes only. To differentiate between AUX TEMP 1 and AUX TEMP 2, the numbers 1 or 2 will be displayed.



- Press the SELECT button to confirm the item change and select the digital display of the next meter. The sirius vision (up to 3 units) connected to the controller is circulated and selected.
- Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.



Operation

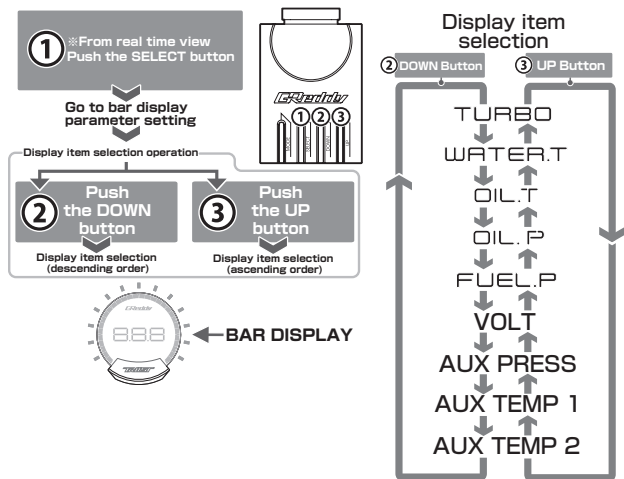
Display Item Settings (bar view portion)

When sirius vision is connected to the controller, push and hold the SELECT in real time mode to select bar display item.

● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.



If the digital numerical display and the bar display are set to show different items, the names of the two items will display. However, the unit of measure (C°, kPa, etc.) will only light up for the value of the digital numerical display.

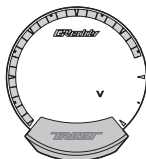


For the IGN VOLTS, AUX PRESS, AUX TEMP 1 & 2 refer to the diagram below.

※ In addition to the GReddy logo display and units of measurement (C°, kPa, etc) as below, the bar level corresponding to the selected item value will be displayed.

※ The values for IGN VOLTS and AUX PRESS are for reference purposes only. To differentiate between AUX TEMP 1 and AUX TEMP 2, the numbers 1 or 2 will be displayed.

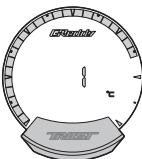
IGN VOLTS



AUX PRESS



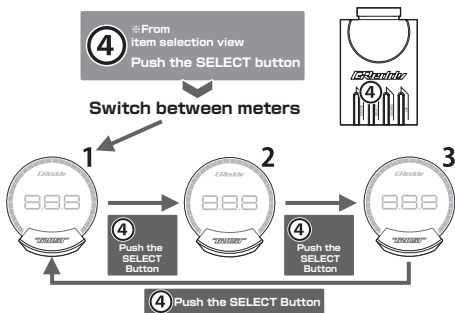
AUX TEMP 1



AUX PRESS 2



- Press the SELECT button to confirm the item change and select the bar display section of the next meter. Up to 3 sirius vision units may be connected to one control unit, in the case where more than one vision is connected, the next vision unit will be selected in a circular pattern.
- Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.

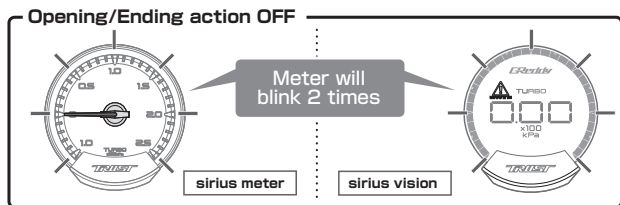
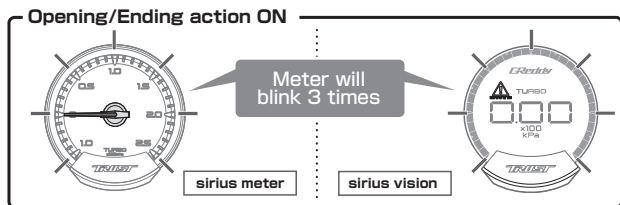
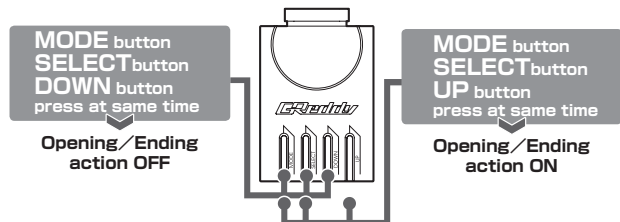


Operation

Opening / ending action ON / OFF switching function

Opening and ending action can be selected.

During ON/OFF setting, all meters will blink 3 times to indicate the function is on, and blink 2 times to indicate the function is off.



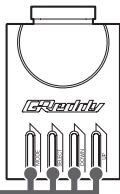
Factory Reset Function

The sirius meter series includes a factory reset function which will revert to all settings to the same as that of time of shipping.

Once the factory reset function is activated all meters will blink quickly 3 times.

MODE button
SELECT button
UP button
DOWN button press for 5 sec

Reset to factory settings (All gauges)



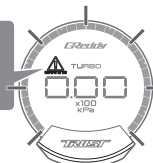
Reset to factory settings (All gauges)

Needle flashes
3 times rapidly



sirius meter

PEAK, item name,
units, digital values
and BAR indicators
will flash 3 times
rapidly



sirius vision

Specifications

Specifications

Displayed items max/min range and brightness

The lower and upper limits of the displayable items on each meter of the sirius meter / vision, and the default illumination brightness are as follows.

sirius meter

	Display Value Range	WARNING Initial Value	Remarks
Boost	-0.99 ~ 2.5 (kPa)	1.20 (kPa)	
Water Temp	0 ~ 120 (°C)	100 (°C)	
Oil Temp	20 ~ 140 (°C)	120 (°C)	
Oil Press	0 ~ 10.0 (kPa)	1.0 (kPa)	※Lower Limit Warning
Fuel Press	0 ~ 6.0 (kPa)	1.5 (kPa)	※Lower Limit Warning
Brightness	Daytime Light Intensity 7	Nighttime Light Intensity 3	

sirius vision

	VALUE DISPLAY RANGE	WARNING Initial Value	COMMENTS
Boost	-0.99 ~ 2.5 (kPa)	1.20 (kPa)	
Water Temp	0 ~ 120 (°C)	100 (°C)	
Oil Temp	20 ~ 140 (°C)	120 (°C)	
Oil Press	0 ~ 10.0 (kPa)	1.0 (kPa)	※Lower limit Warning
Fuel Press	0 ~ 6.0 (kPa)	1.5 (kPa)	※Lower limit Warning
AUX Temp 1/2	20 ~ 140 (°C)	120 (°C)	
AUX Press	0 ~ 10.0 (kPa)	1.0 (kPa)	※Lower limit Warning
Volts	9 ~ 18.0 (V)	10.0 (V)	※Lower limit Warning
Brightness	Daytime Light Intensity 7	Nighttime Light Intensity 2	

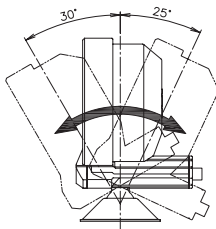
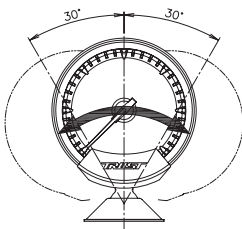
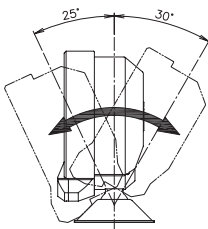
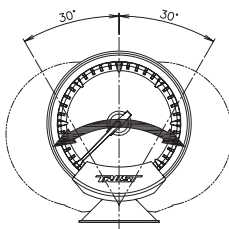
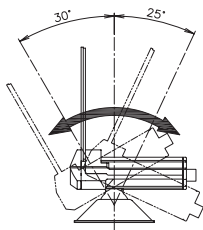
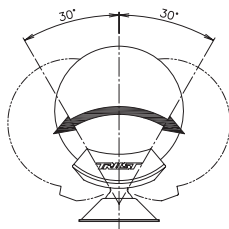
Power Consumption

Power consumption at the control unit when powered off is as below.

sirius control unit

Dark current	approx. 0.2(mA)
--------------	-----------------

Range of motion



Troubleshooting

Problem	Cause	Solution
All systems non-functional	Power supply wiring issues (contact failure, miswiring, etc.)	Refer to "Installation - Power Harness Wiring" in this instruction manual. Confirm that wiring of each power supply and ground wire has been correctly performed. Also check the wiring on the vehicle (IGN, cont, illumination, ground) with a tester, etc.
Needle does not move (meter)	Sensors are not connected or have become disconnected.	Check whether the sensor wiring connector has become scratched or broken. If damage is found, it may be necessary to replace the sensor. Please contact your GReddy dealer.
(---) is displayed (vision)		
Numeric values do not change		
Needle points out of range (meter)		
After the opening action, gauge goes directly to ending action	Power supply wiring is incorrect. (IGN power supply and constant power supply wiring are incorrect, etc.)	Refer to "Installation - Power Harness Wiring" in this instruction manual. Confirm that wiring of each power supply and continuous wires have been performed correctly.
Power turns off without performing the closing action	Power supply wiring is incorrect. (IGN and Cont power are bundled together, etc.)	
A humming noise emitted from the gauge	During operation, a humming noise can be heard emitting from the gauge.	These gauges emit a small operating sound which is normal and presents no problem. If abnormal operation is observed, please consult your GReddy dealer.
Control Unit is powered but will not power the gauge	The communication harness is not properly connected or there is a poor connection between branch harnesses.	Check that the communication harness and the branch harnesses are correctly inserted in the connector on the back of the gauge or have not become disconnected.
Terminal not inserted in main harness connector	The connector is locked or there is a foreign object lodged in the connector.	Check that the pin lock has been released and there are no foreign materials inside the connector.

About After-Sales Service

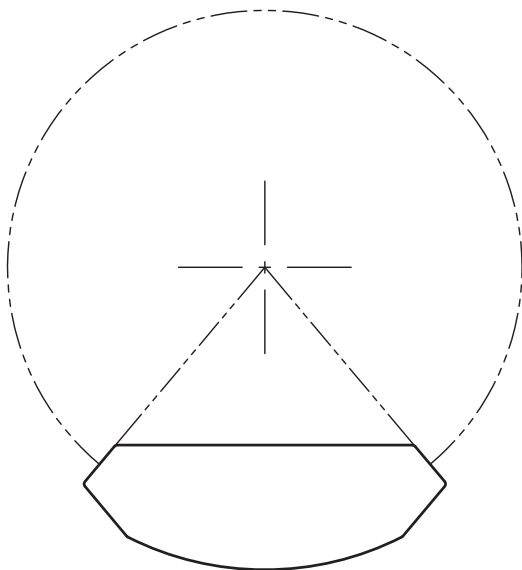
- If you have any questions about this product, please contact the authorized distributor which sold the unit. Please note that products purchased outside the TRUST distributor network will not be covered under warranty.
- Please keep and safeguard the attached product warranty card.
- The serial number on the main body is required when our company provides any after-sales service. Please be aware that it may not be possible to receive repair service etc. if the serial number has been deliberately peeled off, is unreadable due to contamination, number modification etc.
- If the serial number described in the warranty included in the enclosed package differs from the product number attached to the main body at the time of purchasing this product with a new one, please take a moment to contact the authorized distributor which sold the unit.
- Sirius series products are guaranteed free of manufacturing defects for a period of 1 year from the original date of purchase. Please keep your receipt and contact the authorized distributor which sold the unit for any warranty inquiries.

TRUST TRUST CO., LTD.

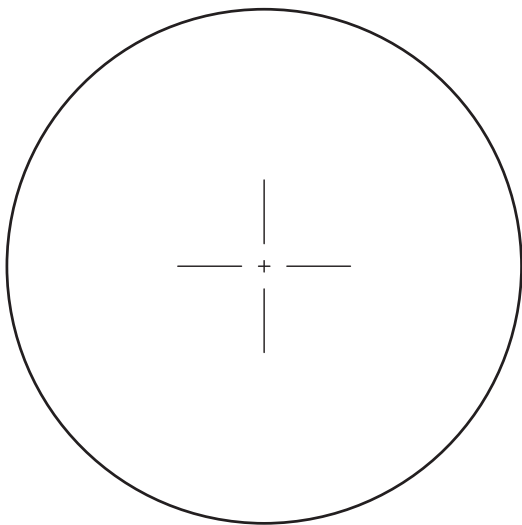
3155-5 ODAI, SHIBAYAMA-MACHI, SANBU-GUN,
CHIBA, 289-1605 JAPAN

Appendix

sirius vision for embedded installation

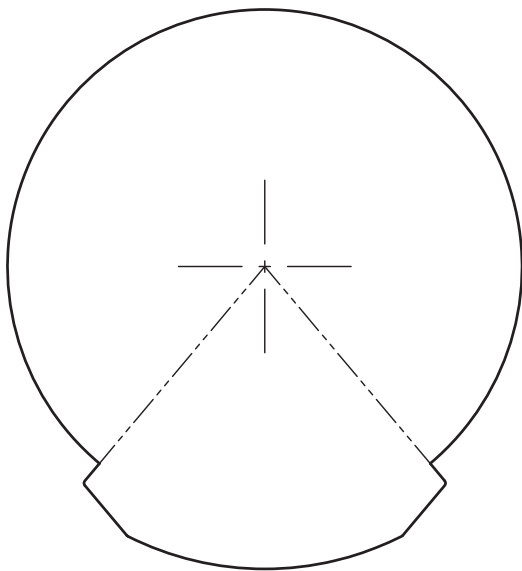


sirius meter for embedded installation

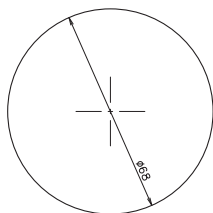


Appendix

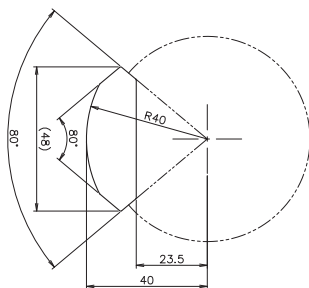
sirius unify for embedded installation



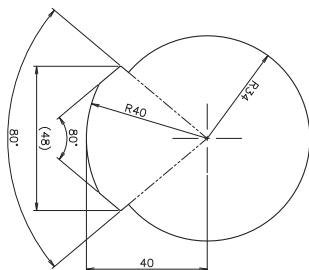
Dimensions



meter



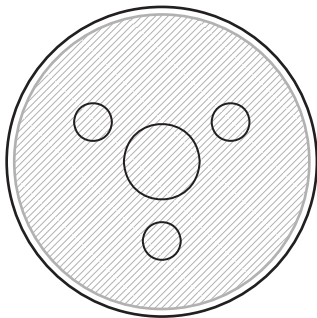
vision



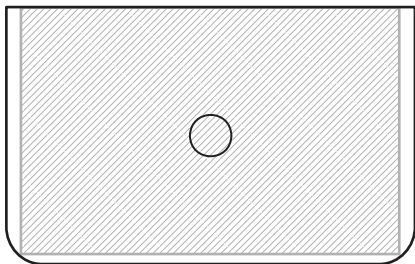
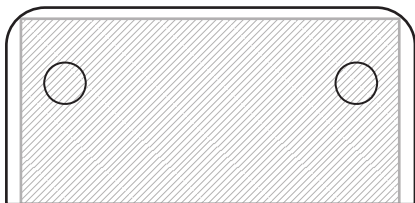
unify

Appendix

Double-sided tape cutting dimensions (meter pedestal)

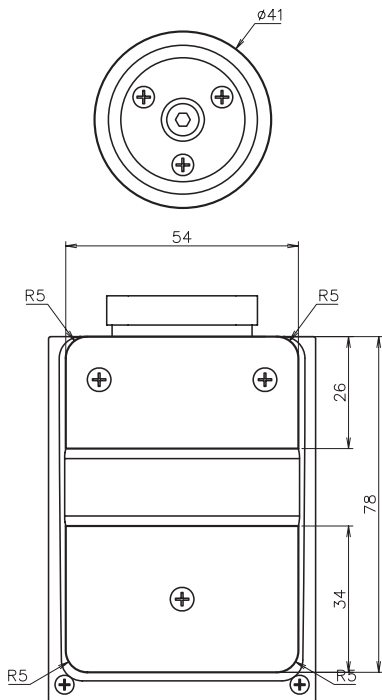


Double-sided tape cutting dimensions (control unit)



Appendix

Bottom dimension (pedestal, control unit)



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