

# **signalMinder**

TM

## AUTOMATIC CANCELLATION



**Built-in Features:**  
**Running Light Conversion**  
**Brake Override**  
**4-Way Emergency Flash**

## INSTALLATION GUIDE

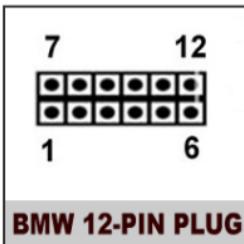
**Kisan**  
TECHNOLOGIES, INC.

TECHNOLOGY *for* SAFETY

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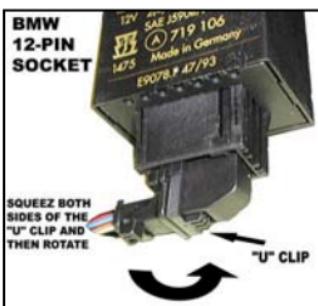
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## SM-5



### SM-5 Application:

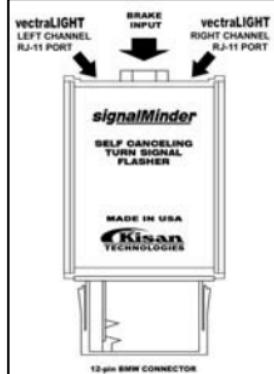
- All newer R-series BMWs (US version)
- Also newer K-1200 BMWs



■ The harness connector has a cam-lock. You can release it by pulling-out the "U" shaped latch and rotating it over the connector. DO NOT pull on the wires. Once the cam-lock is released, the connector slides out easily.

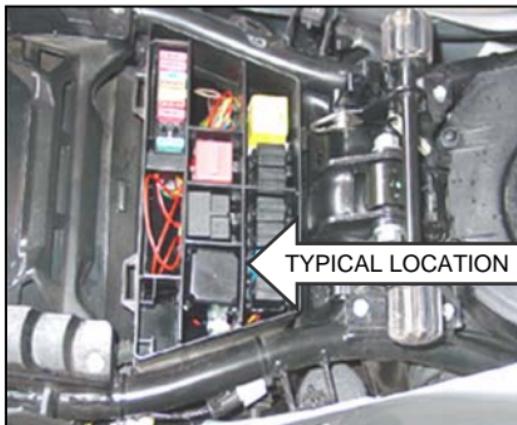
■ Brake Input wire on BMWs is: Gray with Yellow stripe.

### Typical Model for SM-5



- Running Light Conversion option:
  - (3) selectable levels
- **LANE CHANGER** Hold the turn signal switch to initiate quick flash of initial cycle (5 flashes) – **very effective!**
- **QUICK CANCEL** Tap the same turn signal switch second time to stop flashing - **quick & easy!**
- Built-in driver ports for **vectraLIGHT** - mirror mounted LED array with **SEQUENTIAL** flash, Running lights and Brake override.

## SM-5 INSTALLATION:



- Delphi
- BMW
- (61.31-2 306-979)

On most RT models, you can locate the turn signal flasher

simply by removing the seat and locating it within the relay box.

On other models, the relay box is located under the gas tank towards the front or behind the front fairing. Refer to your bike's Manual, or the Wiring Diagram to find its location.

**signalMinder** is slightly larger than the original relay, so it may not fit in the same compartment of the fuse box. In that case, utilize any unused compartment by moving the 12-pin connector to that location and then plug the **signalMinder** in. Secure it with supplied Velcro strip.

ON-THE-FLY PROGRAMMING		TIME-OUT
Push and HOLD LEFT Turn signal switch button	Then turn the Ignition ON	30 Seconds
Push and HOLD RIGHT Turn signal switch button	Then turn the Ignition ON	20 Seconds
Push and HOLD CANCEL Turn signal switch button	Then turn the Ignition ON	10 Seconds

When you **PUSH and HOLD** any of the turn signal switches and then turn the Ignition ON, the turn signal lamps will light up to validate setting change.

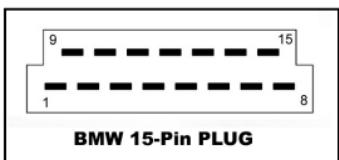
ADJUSTING RUNNING LIGHT INTENSITY Push and HOLD CANCEL Then push Emergency 4-way button	1 <sup>st</sup> Time	Low Intensity
	2 <sup>nd</sup> Time	Turn Lights Off
	3 <sup>rd</sup> Time	High Intensity

To install other optional features, please refer to:

- Brake Input Option
- VL-10 **vectraLIGHT** plug-in ports

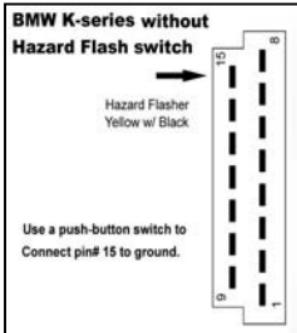
*Enhance your visibility! – Use all available features.*

# SM-6

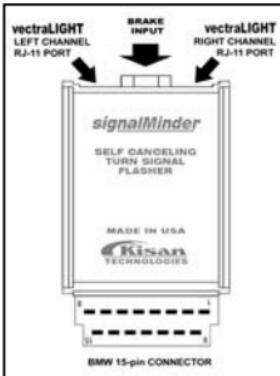


## SM-6 Application:

- K-series BMWs – older models
- R-series BMWs – European models

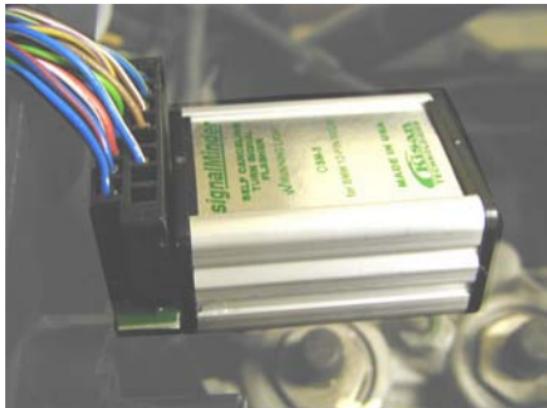


- Some of the BMWs do not have the 4-Way emergency switch, which is required to adjust Running Light intensity. A push-button switch can be added as shown here, to allow pin#15 to go to ground.
- Brake Input wire on BMWs is: Gray with Yellow stripe.



- Running Light Conversion option:
  - (3) selectable levels
- **LANE CHANGER** Hold the turn signal switch to initiate quick flash of initial cycle (5 flashes) – **very effective!**
- **QUICK CANCEL** Tap the same turn signal switch second time to stop flashing - **quick & easy!**
- Built-in driver ports for **vectraLIGHT** - mirror mounted LED array with **SEQUENTIAL** flash, Running lights and Brake override.

# SM-6 INSTALLATION:



Typical signal flashers:

- BMW# 1 459 224
- Siemens# 72BB401

On most K-1200LT models, the turn signal flasher is located inside the relay panel – underneath the gas tank. To gain access to it, remove "C" clips or 10mm bolts to lift the tail end of the gas tank.

For older K-series, the relay box can be found under the seat.

**signalMinder** is much smaller than the original relay, so it will have to be mounted on the sidewall of the fuse-box with the Velcro strip supplied.

ON-THE-FLY PROGRAMMING		TIME-OUT
Push and HOLD LEFT Turn signal switch button	Then turn the Ignition ON	30 Seconds
Push and HOLD RIGHT Turn signal switch button	Then turn the Ignition ON	20 Seconds
Push and HOLD CANCEL Turn signal switch button	Then turn the Ignition ON	10 Seconds

When you PUSH and HOLD any of the turn signal switches and then turn the Ignition ON, the turn signal lamps will light up to validate setting change.

ADJUSTING RUNNING LIGHT INTENSITY	1 <sup>st</sup> Time	Low Intensity
	2 <sup>nd</sup> Time	Turn Lights Off
	3 <sup>rd</sup> Time	High Intensity

If you elect to install other optional features, please refer to:

- Brake Input Option
- VL-10 **vectraLIGHT** plug-in ports

*Enhance your visibility!* – Use all available features.

# **SPECIAL FEATURES:**

## **SAME-SIDE CANCEL FEATURE:**

Once the flashing has begun on either side, push the same side switch to cancel. This is much easier than using the right handlebar Cancel switch.

## **LANE CHANGE - FAST FLASH MODE:**

(Does not apply if you have selected 45 second extended time-out)

Hold down the turn signal switch to start quick flash of initial 5 flashes

## **4-WAY EMERGENCY FLASH MODE:**

For BMW models, both SM-5 and SM-6 permit activation of the 4-Way emergency flashing by pushing down both right and left turn signal switch simultaneously.

- To end 4-Way flashing, push-up the Cancel switch on the right handlebar

## **BRAKE FLASH FEATURE:**

(Brake Input wire must be hooked-up)

As long as the turn signals are active, applying the brakes will cause turn signal bulbs to flash as brakes. The flash pattern begins with fast flash rate, which slows down to solid ON after 2 ½ seconds.

**NOTE!** BOTH front and rear turn signal bulbs will flash during this short interval – just as they flash together for turn signals. They are wired together on the bike.

## **PROGRAMMING BRAKE FLASH FEATURE:**

- ① Apply & Hold brakes first, then turn ignition on.
  - ② Immediately begin pumping the brakes at least 6 to 8 times
- This is a toggle function – it activates it on or off upon each execution

BMW models with ABS brakes do not allow successive brake applications to generate 12V distinctly, which is necessary for the programming sequence.

You can use the Brake Input wire as a direct input to any 12V source and perform the programming procedure described above.

# **FREQUENTLY ASKED QUESTIONS:**

## **INSTALLATION:**

**Q:** Where is the turn signal relay on my bike? I can't find it.

**A:** Please refer to your Owner's Manual or the Wiring Diagram of your bike.

There are too many variations to cover. The relay could be integrated with kickstand interlock or the dash circuit board. It could be hidden under the gas tank or behind the dash.

When possible, for more popular models, we have identified the location in this Guide.

**Q:** ***signalMinder*** is different size and shape from the original flasher. How do I mount it?

**A:** You can leave the original flasher in its holder. Find a suitable location nearby and use the Velcro pad supplied to attach the unit.

**Q:** I cannot figure out how the 12-pin connector for my SM-5 comes apart. Is there a trick?

**A:** Yes it is a little tricky. The 'U' clamp is right at the base of the connector. You have to pull it away from the direction of wires exiting the connector body and then rotate it away from the base. As soon as the 'U' clamp lifts and rotates past the retaining ridge, the connector will slide out of the original relay.

## **OPERATION:**

**Q:** Now the dash indicators are on all the time. What's wrong?

**A:** The dash indicator bulbs are wired together with the turn signal lamps on your bike, so they will also stay on dimly. While using the turn signals, they will indicate properly by flashing brightly.

If you do a lot of nighttime riding and the indicators glare bothers you, you can reduce the intensity by replacing dash indicator bulbs with low intensity 12V LED equivalents. Or you can adjust the running light intensity.

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**Q:** I have hooked-up the brake override wire on my SM-6. But it doesn't seem to extend the time-out even if the brakes are applied. There's only that option to connect, why doesn't it work?

**A:** The Brake Override has a high trigger voltage of 12.3V at the input. If you test it with the engine running, there should be sufficient voltage to trigger the override feature.

**Q:** I like the Brake Flash idea but all four turn signals flash if I use it. I don't think the front turn signal should flash. Is there a way around this?

**A:** Unfortunately the front and rear turn signal bulbs for each side are wired together on the bike. So, **signalMinder** cannot selectively flash half of a connected circuit.

## LIMITED WARRANTY

**Kisan** warrants this product to be free of manufacturing defects for a one-year period after the original date of consumer purchase. A purchase receipt or other proof of original retail purchase will be required. This warranty does not include damage to the product resulting from accident, misuse, improper installation or operation or unauthorized repair or alteration. If the product should become defective within the warranty period, we will elect to repair or replace it free of charge at our option. Parts and/or replacement product supplied under the warranty may be new or rebuilt.

The consumer's sole remedy shall be such repair or replacement as is expressly provided above, and **Kisan** shall in no event be liable for any incidental or consequential damages arising out of the use of; or inability to use this product for any purpose whatsoever.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may have other rights, which vary from state to state.

If you have to return the product for warranty service, please contact our service department to obtain a R.M.A. (Return Merchandise Authorization) number and instructions on how to pack and ship the product to us.

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