



# Screen Blanking Box

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For Vehicle Mounted Computers

## Installation Guide

## Screen Blanking Box Installation Instructions



For proper and safe installation, the input power cable must be connected to a fused circuit on the vehicle. This fused circuit requires a 10 Amp maximum time delay (slow blow) high interrupting rating fuse. If the supply connection is made directly to the battery, the fuse should be installed in the positive lead within 5 inches of the battery positive (+) terminal.



For installation by trained service personnel only.



Risk of ignition or explosion. Explosive gas mixture may be vented from battery. Work only in well-ventilated area. Avoid creating arcs and sparks at battery terminals.

Please refer to the appropriate wiring schematic on the following pages for wiring colors and connections:

- Figure 1 –Thor VX8 and Thor VX9
- Figure 2 –Thor VM1, Thor VM1A, Thor VM2, Thor VM3, and Thor VM3A 12-60VDC
- Figure 3 –Thor VM1, Thor VM1A, Thor VM2, Thor VM3, and Thor VM3A 72-144VDC



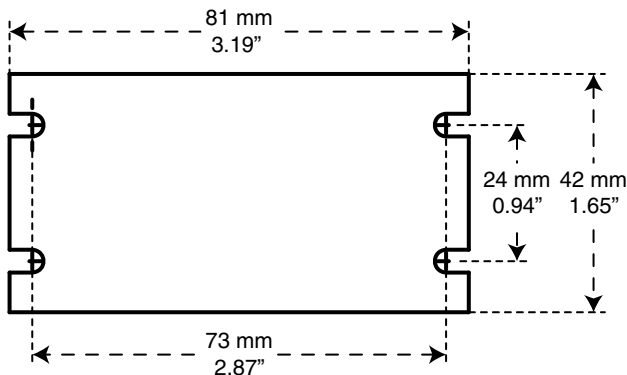
Do not exceed specified input voltage range on the Screen Blanking Box label. Contact Honeywell Technical Support for alternative screen blanking options for higher voltage installations.

Screen Blanking Box Part Number	Allowable input
VX89351PWRSPLY	12-72VDC, <10mA
VX89352PWRSPLY	12-60VDC, <10mA

Please refer to the appropriate DC to DC Power Supply Installation Instructions included with the power supply for the Thor VX8, Thor VX9, Thor VM1 (72-144VDC only), Thor VM1A (72-144VDC only), Thor VM2 (72-144VDC only), Thor VM3 and Thor VM3A (72-144VDC only) installations.

## Mounting Template

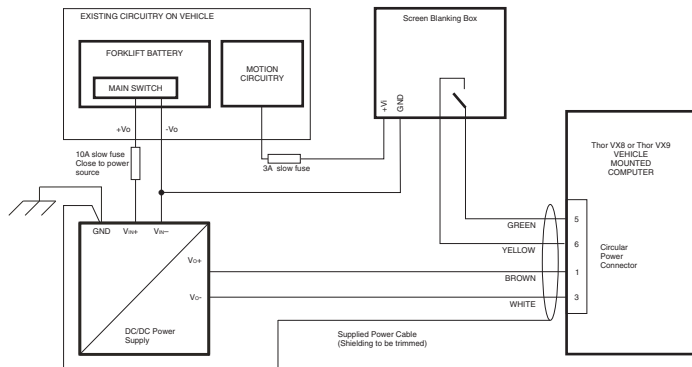
Verify mounting dimensions against actual screen blanking box. Printers and copiers may distort the size of this template - always select Actual Size rather than Fit or Shrink Oversize Pages when printing this PDF file.



## Figure 1: Thor VX8 and Thor VX9



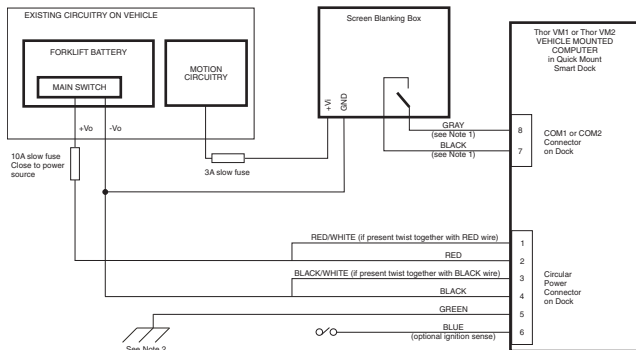
Do not exceed specified input voltage range on Screen Blanking Box label. Please refer to the *Thor VX8 User's Guide* or the *Thor VX9 User's Guide* or contact Honeywell Technical Support for alternative screen blanking options for higher voltage installations.



## Notes

1. There are different models of the DC/DC power supply and the connections may vary from those shown above. Review the instructions included with the DC/ DC power supply for complete details. Contact Honeywell Technical Support or go to [www.honeywellaidc.com](http://www.honeywellaidc.com) for DC/DC power supply installation instructions.
2. The voltage at the +Vi input on the Screen Blanking Box must be between 10VDC and 60 or 72VDC (see Screen Blanking Box label) when the vehicle is in motion and less than 5VDC when the vehicle is not in motion.
3. Screen Blanking is configured using VMT Manager in the Microsoft Windows® Control Panel. Details are included in the *Thor VX8 User's Guide* and the *Thor VX9 User's Guide*.

# Figure 2: Thor VM1, Thor VM1A, Thor VM2, Thor VM3 12-60VDC, Thor VM3A, and Thor VM3A



## Notes

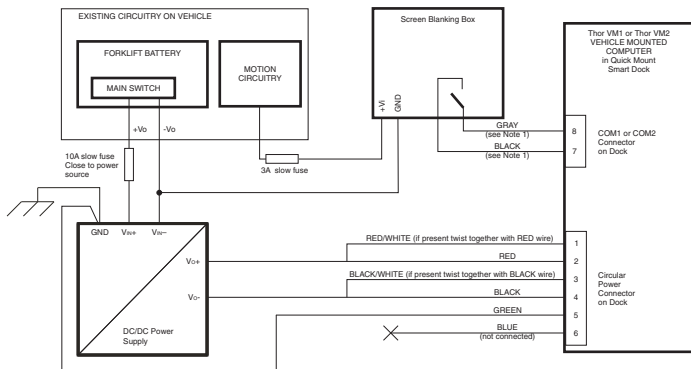
1. Power cables with a right angle connector have 6 wires. Twist the red and red/white wires together and twist the black and black/white wires together before connecting to vehicle power. Power cables with a straight connector have 4 wires. Connect the red and black wires to vehicle power.
2. Wire colors shown are for use with optional Honeywell Screen Blanking Box Cable VM1080CABLE. Wire colors may vary with a user-supplied cable.
3. For battery powered vehicles: The green wire **must be** connected to vehicle chassis ground.

4. For internal combustion vehicles: The green wire is connected to chassis ground which can be the negative terminal (-Vo) of the power source.
5. The voltage at the +Vi input on the Screen Blanking Box must be between 10VDC and 60 or 72VDC (see Screen Blanking Box label) when the vehicle is in motion and less than 5VDC when the vehicle is not in motion.
6. For Thor VM1 and Thor VM2: Screen Blanking is configured using Screen Control in the Microsoft Windows® Control Panel. Details are included in the *Thor VM1 User's Guide* and *Thor VM2 User's Guide*.
7. For Thor VM3: Screen Blanking is configured using ZoomZone in the Microsoft Windows® Control Panel. Details are included in the *Thor VM3 User's Guide*.
8. For Thor VM1A: Screen Blanking is configured using the Screen Blanking settings under Honeywell Settings. Details are included in the *Thor VM1A User Guide*.
9. For Thor VM3A: Screen Blanking is configured using ZoomZone under Honeywell Settings. Details are included in the *Thor VM3A User Guide*.

## Figure 3: Thor VM1, Thor VM1A, Thor VM2, Thor VM3 72-144VDC, and Thor VM3A



Do not exceed specified input voltage range on the Screen Blanking Box label. Please refer to your device's *User Guide* or contact Honeywell Technical Support for alternative screen blanking options for higher voltage installations.



## Notes

1. Power cables with a right angle connector have 6 wires. Twist the red and red/white wires together and twist the black and black/white wires together before connecting to the DC/DC power supply. Power cables with a straight connector have 4 wires. Connect the red and black wires to DC/DC power supply.



2. There are different models of the DC/DC power supply and the connections may vary from those shown above. Review the instructions included with the DC/ DC power supply for complete details. Contact Honeywell Technical Support or go to [www.honeywellaidc.com](http://www.honeywellaidc.com) for DC/DC power supply installation instructions.
3. Wire colors shown are for use with optional Honeywell Screen Blanking Box Cable VM1080CABLE. Wire colors may vary with a user-supplied cable.
4. The voltage at the +Vi input on the Screen Blanking Box must be between 10VDC and 60 or 72VDC (see Screen Blanking Box label) when the vehicle is in motion and less than 5VDC when the vehicle is not in motion.
5. For Thor VM1 and Thor VM2: Screen Blanking is configured using Screen Control in the Microsoft Windows<sup>®</sup> Control Panel. Details are included in the *Thor VM1 User's Guide* and *Thor VM2 User's Guide*.
6. For Thor VM3: Screen Blanking is configured using ZoomZone in the Microsoft Windows<sup>®</sup> Control Panel. Details are included in the *Thor VM3 User's Guide*.
7. For Thor VM1A: Screen Blanking is configured using the Screen Blanking settings under Honeywell Settings. Details are included in the *Thor VM1A User Guide*.
8. For Thor VM3A: Screen Blanking is configured using ZoomZone under Honeywell Settings. Details are included in the *Thor VM3A User Guide*.

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