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› Leviton VGA Monitor MOS Module, 110-Style Termination, 41295-VMW, White User Manual

Leviton 41295-VMW

Leviton VGA Monitor MOS Module User Manual

Model: 41295-VMW | Brand: Leviton

PRODUCT OVERVIEW

Leviton's Multimedia Outlet System (MOS) Enhanced VGA Modules provide a point-to-point connection over twisted-pair cabling. These modules are designed to connect desktop computers, laptop computers, and tablets to monitors and projectors using standard VGA connectors. The IDC termination allows for quick termination and customization of cable lengths in the field. The VGA modules must be installed as a set (PC and Monitor), and require a Leviton MOS wall plate. They are manufactured from durable polycarbonate plastic.



Image: Leviton VGA Monitor MOS Module (Model 41295-VMW) with VGA connector and IDC termination points visible.

SETUP AND INSTALLATION

The Leviton VGA Monitor MOS Module facilitates a point-to-point VGA connection using twisted-pair cabling. Proper installation ensures optimal video signal transmission.

Required Components:

- Leviton VGA Monitor MOS Module (PC side)
- Leviton VGA Monitor MOS Module (Monitor side)
- Leviton MOS Wall Plate
- Twisted-pair cabling (UTP or shielded)
- Standard VGA cables

Installation Steps:

1. **Prepare Cabling:** Cut twisted-pair cabling to the desired length. Ensure sufficient length for routing within walls or conduits.
2. **Terminate Modules:** Use the color-coded 110-style IDC connectors on each VGA module to terminate the twisted-pair cabling. Ensure correct wire pairing for VGA signals (Red, Green, Blue, HSync, VSync, I2C Data, I2C Clock, and their returns/grounds).
3. **Install into Wall Plate:** Snap the terminated VGA modules into a compatible Leviton MOS wall plate.
4. **Connect Devices:** Connect the PC-side module to your computer's VGA output using a standard VGA cable.

Connect the Monitor-side module to your monitor or projector's VGA input using another standard VGA cable.

5. **Verify Connection:** Power on your computer and display device. The display should automatically detect the signal via Display Data Channel (DDC) signals transmitted through the modules.

OPERATION

Once properly installed, the Leviton VGA Monitor MOS Module system operates passively, compensating for impedance differences between the 75-ohm unbalanced video signal and the 100-ohm balanced twisted-pair cabling. This ensures clear video transmission over longer distances than traditional VGA cables. The integrated Display Data Channel (DDC) signals allow your PC to automatically detect and configure settings for the connected display, simplifying setup.

CARE AND MAINTENANCE

The Leviton VGA Monitor MOS Module is designed for durability and requires minimal maintenance. To ensure longevity and optimal performance:

- Keep the modules and connections free from dust and debris.
- Avoid exposing the modules to excessive moisture or extreme temperatures.
- Do not apply excessive force when connecting or disconnecting VGA cables or terminating twisted-pair wires.
- Clean the exterior of the module with a soft, dry cloth if necessary. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

If you encounter issues with your Leviton VGA Monitor MOS Module, consider the following:

No Signal or Poor Picture Quality:

- **Check Connections:** Ensure all VGA cables are securely connected to both the modules and the devices (PC, monitor/projector).
- **Verify Twisted-Pair Termination:** Confirm that the twisted-pair cabling is correctly terminated into the 110-style IDC connectors on both modules, following the color-coded diagram. Incorrect wiring is a common cause of signal issues.
- **Module Pairing:** Remember that these modules must be installed as a set (one PC module, one Monitor module). Ensure you are using the correct module for each end.
- **Cable Length:** While designed for longer runs, excessively long or poor-quality twisted-pair cabling can degrade signal quality.
- **Power Cycle:** Try restarting your computer and monitor after checking all connections.

Display Not Detected:

- Ensure the DDC signals are properly connected through the twisted-pair cabling. Re-check IDC terminations.
- Verify that the monitor is powered on and set to the correct input.

TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Leviton
Model Name	41295-VMW
Part Number	41295-VMW
UPC	078477587317
Connector Type	VGA
Cable Type	VGA (for device connection), Twisted-pair (for module-to-module)
Compatible Devices	Laptop, Monitor, PC, Projector
Recommended Uses	Connecting electronic devices (computers, peripherals, home entertainment systems)
Color	White
Connector Gender	Male-to-Female (VGA port on module)
Item Weight	1.6 ounces
Product Dimensions	2.1 x 1.9 x 1 inches
Indoor/Outdoor Usage	Indoor
Manufacturer	Leviton
First Available Date	March 8, 2012
Included Components	41295-VMW
Warranty Description	Manufacture

WARRANTY INFORMATION

This Leviton product is covered by a manufacturer's warranty. For specific details regarding the warranty period, coverage, and claims process, please refer to the documentation included with your purchase or visit the official Leviton website. The warranty description provided is "Manufacture".

CUSTOMER SUPPORT

For further assistance, technical support, or product inquiries, please contact Leviton customer service or visit their official website. You can find more information and resources at the [Leviton Brand Store on Amazon](#) or the main Leviton website.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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