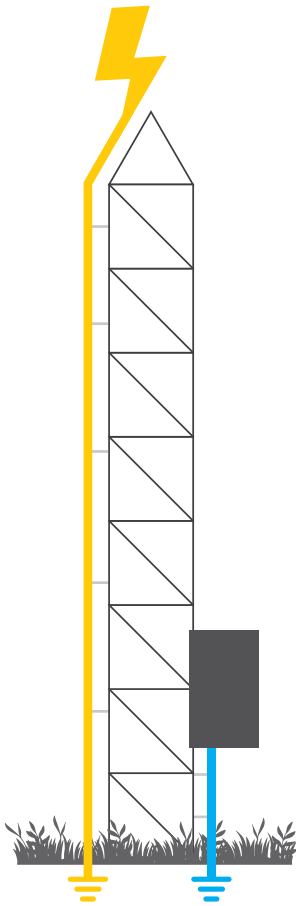
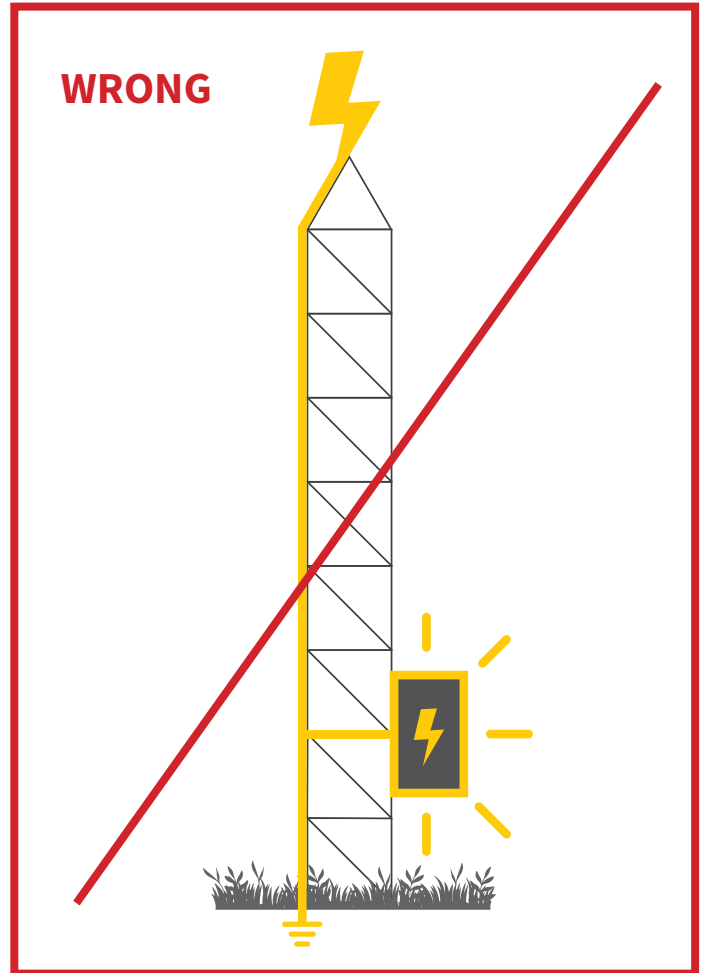


RIGHT



WRONG



THE DATA LOGGER SHOULD ALWAYS BE CONNECTED TO A SEPARATE GROUNDING ROD AND NEVER DIRECTLY TO THE LIGHTNING ROD(S) OF THE MET MAST ITSELF.

IMPORTANT

To ground the Orbit 360 or EOL Zenith data logger, connect one end of the copper ground wire (usually yellow-green color) to the data logger GND \perp terminal and the other end to a dedicated and independent grounding spike (indicated as blue line on the drawing above).

Physically separating the grounding cable from the met mast structure is recommended (as indicated as yellow line on the left drawing above). Use of a thick copper cable with plastic/rubber coating is recommended as well as isolators between the sensor and the sensor support booms. Last but not least, we recommend to use a Wiring Panel in combination with the Orbit 360 data logger. The Wiring Panel for the Orbit 360 data logger is designed to make it easier to perform field maintenance and prevent mis-wiring, while significantly increasing the protection of the data logger against electrostatic discharges.

All sensor wire shields **must be connected** to the data logger GND terminal to be effective. If you are installing a considerable amount of sensors it is furthermore recommended to connect all the shields to an external patch panel and use a single thick grounding wire to connect the patch panel to the GND terminal on the data logger.

For more information of any of the above mentioned recommendations and/or products please contact support@kintech-engineering.com

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