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# Options Guide

*MIRUS offers a selection of Options to enhance functionality of our Harmonic Mitigating Products and provides quality customization for specific applications when required.*

| OPTIONS | DESCRIPTION |
|---|---|
|   | **INSIGHT™** Power Meter and Alarm Monitor<br><br>Designed to continuously monitor Mirus products such as the Lineator™ Harmonic Filter, Onics™ Power Distribution units, and any Ulltra™ or Harmony™ transformer. Also available for individual OEM/Integrator application. |
|  | **Capacitor Switching Contactor**<br><br>Although normally not required on the Lineator™ passive harmonic filter due to its very low capacitive reactance, a contactor switching option is available when called for in a specification or on some generator applications when the connected filter load is high. Capacitors can be switched out at light loading levels through VSD control, or optionally through filter load level, to reduce voltage boost and offload generator of capacitive reactance. |
|  | **Coordinated Surge Protection**<br><br>Built-in surge suppression option for any filter or transformer product. Integrated with product inductance to provide improved protection from lightning strikes and other voltage transients. When applied to filter products, the entire filter warranty is increased from 3 years to 5 years. |
|   | **Temperature Switch**<br><br>Thermal sensors used to provide reactor or transformer over temperature alarm and trip contacts for protection against overloading. |
|  | **Liquid Cooled**<br><br>Liquid cooled reactor for harmonic filters in marine or other space restricted applications where liquid cooled inverter systems are used. Reduces overall weight and footprint of filter. |

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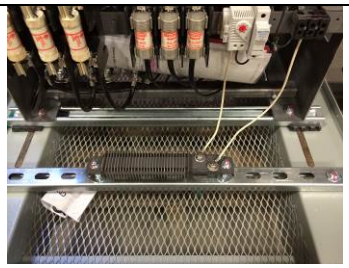
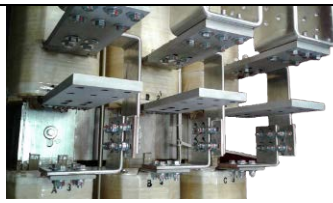
|  | **Enhanced Enclosure**<br><br>This style of enclosure provides additional protection against falling rain, sleet, and snow in outdoor applications. Other enclosure options are available for further particle and precipitation protection. |
|  | **Strip Heater**<br><br>Used for freeze and condensate prevention inside enclosure when operating in unenergized state. Separate power source is required. |
|  | **Tin Plating and Conformal Coating**<br><br>Thin tin coating is applied to input and output terminals to inhibit copper oxidation. For additional protection in highly corrosive environments, conformal coating is applied to capacitor terminals and wiring. |
|  | **Common-mode Choke**<br><br>To increase the common-mode current blocking capabilities of the Inversine™ sinewave filter, a common-mode choke option is available. A 10x reduction in the common-mode current introduced by the VSD inverter is typical. Common-mode blocking can also be applied to Lineator™ input filters. |