Dedicated filter reactor
<FR-A8BL1-H[ ]>

Thank you for choosing this Mitsubishi Electric inverter option. This product is a filter reactor specifically made for the FR-A802 high power factor converter, which the FR-A802 inverter has been converted into. Always use this product with the converter. For wiring and handling of the reactor, refer to the Instruction Manual of the FR-A8AVP Incorrect handling might cause an unexpected fault. Before using this product, always read this Instruction Manual carefully to ensure proper use.

Please forward this Instruction Manual to the end user.

Safety instructions
Do not attempt to install, operate, maintain or inspect this product until you have read through this Instruction Manual, the Instruction Manual of the FR-A8AVP, and supplementary documents carefully and can use the equipment correctly. Do not use this product until you have a full knowledge of this product mechanism, safety information and instructions.

Installation, operation, maintenance and inspection must be performed by qualified personnel. Here, qualified personnel mean personnel who meets all the following conditions.

- A person who took a proper engineering training.
- A person who has read and familiarized themselves with the manuals.

In this Instruction Manual, the safety instruction levels are classified into "WARNING" and "CAUTION". Incorrect handling may cause hazardous conditions, resulting in death or severe injury. Incorrect handling may cause hazardous conditions, resulting in medium or slight injury, or may cause only material damage.

Note that even the "CAUTION" level may lead to a serious consequence depending on conditions. Be sure to follow the instructions of both levels as they are critical to personal safety.

Electric shock prevention
- Do not touch this product while the power is ON, or you may get an electric shock due to the fact that high voltage terminals and charging part are exposed.
- Any person who is involved in wiring or inspection of this product shall be fully competent to do the work.
- This product body must be installed before wiring. Otherwise you may get an electric shock or be injured.
- Do not subject the cables to scratches, excessive dress, heavy loads or pinching. Doing so may cause an electric shock.

Fire prevention
- This product must be installed on a nonflammable wall without any through holes. Installing it to or near flammable material may cause a fire.

Injury prevention
- The voltage applied to each terminal must be as specified in the Instruction Manual. Otherwise burst, damage, etc. may occur.
- The cables must be connected to the correct terminals. Otherwise burst, damage, etc. may occur.
- The polarity (+ and -) must be correct. Otherwise burst, damage, etc. may occur.
- While power is ON or for some time after power-OFF, do not touch this product as it will be extremely hot. Doing so may cause a burn.
- Do not touch cooling fans before ensuring that they are stopped.

Additional instructions
The following instructions must be also followed. If this product is handled incorrectly, it may cause unexpected fault, an injury, or an electric shock.

Transportation and installation
- This product must be transported in correct method that corresponds to the weight. Failure to do so may lead to injuries.
- Do not stand or place heavy objects on this product.
- The installing orientation of this product must be correct.
- Do not install or operate this product if it is damaged or has parts missing.
- Prevent conductive items such as screws and metal fragments, or flammable substances such as oil from entering this product.
- As this product is a precision instrument, do not drop it or shock to it impact.
- The ambient temperature must be between -10 and +50°C (non-freezing) for this product. Otherwise the product may be damaged. (For the details, refer to the Instruction Manual of the FR-A8AVP.)
- The ambient humidity must be 95%RH or less (non-condensing) for this product. Otherwise this product may be damaged. (For the details, refer to the Instruction Manual of the FR-A8AVP.)
- The temporary storage temperature (applicable to a short limited time such as a transportation time) must be between -20 and +65°C. Otherwise this product may be damaged.
- This product must be used indoors (without corrosive gas, flammable gas, oil mist, dust and dirt) Otherwise this product may be damaged.
- This product body must be installed before wiring. Otherwise you may get an electric shock or be injured.
- Do not subject the cables to scratches, excessive dress, heavy loads or pinching. Doing so may cause an electric shock.

- This product must be handled incorrectly, it may cause unexpected fault, an injury, or an electric shock.

Disposal
- This product must be treated as industrial waste.

- This product must be handled incorrectly, it may cause unexpected fault, an injury, or an electric shock.
**Restricted Use of Hazardous Substances in Electronic and Electrical Products**

The mark of restricted use of hazardous substances in electronic and electrical products is applied to the product as follows based on the "Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products" of the People's Republic of China.

电器电子产品有害物质限制使用标识要求

本产品中所含有的有害物质的名称、含量、含有部件如下表所示。

### Components and Contents of Harmful Substances

<table>
<thead>
<tr>
<th>Component Type</th>
<th>Hazardous Substance</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB Components (including printed circuit boards, resistors, capacitors, integrated circuits, connectors, etc.), Electronic Components</td>
<td>Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE)</td>
<td>○, ○, ×, ○, ○, ○</td>
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<tr>
<td>Metal Shell, Metal Parts</td>
<td>×, ○, ○, ○, ○, ○</td>
<td></td>
</tr>
<tr>
<td>Resin Shell, Resin Parts</td>
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<td></td>
</tr>
<tr>
<td>Screw, Wire</td>
<td>○, ○, ○, ○, ○, ○</td>
<td></td>
</tr>
</tbody>
</table>

**Referenced Standard**

(Requirement of Chinese standardized law)

This Product is designed and manufactured accordance with following Chinese standards.

Electrical safety: GB12668.501