RAM requires battery back-up. EEPROM and EPROM require battery back-up, when using latched type devices.

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<td>8k steps</td>
<td>FX, FX2N, FX2C, FX2N</td>
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</tbody>
</table>

*1 FX-RAM-8 and FX-EPROM-8 support a maximum program capacity of 16k steps for the FX2N Series PLC.

- When attaching or detaching the memory cassette, turn off the main unit power source. Raise the pull lever when attaching or detaching.
- RAM and EEPROM are not initialized. When used for the first time, the CPU error LED may flicker. Transfer or write program directly, or write all NOP in on-line program mode using the FX-20P or FX-30P.

<<RAM cassette>> FX-RAM-8
- If a RAM cassette is removed from the main unit, the program content is lost.
- The life of FX-40BL lithium battery built in the main unit is about 5 years. When FX-RAM-8C is used, the life becomes about 3 years.

<<EEPROM cassette>> FX-EEPROM-4, 8
- After program transfer or write, be sure verify and check. If an error is found, transfer and verify again.
- When writing a program, turn OFF the memory protect switch, but keep it in the ON position during ordinary operation.

<<EPROM cassette>> FX-EPROM-8
- Use a commercial product for the ROM eraser.
- FX-20P-RWM, FX-40CRW*2, A6RU*2, PECKER-11*3, etc. can be used as ROM writer.

*2 The manufacture of FX-40CRW and A6RU has been discontinued.

*3 AVAL DATA Co., Ltd. discontinued the manufacture of PECKER-11. Please confirm by the homepage etc. of AVAL DATA Co., Ltd. for details.

- For CE details please see documentation supplied with FX Main Units.

**Attention**
- This product is designed for use in industrial applications.

**Note**
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  Mitsubishi Electric Europe B.V.
  Gothaer Str. 8, 40880 Ratingen, Germany