

made in italy  
**GRUPPO ENERGiA CAPACITORS**



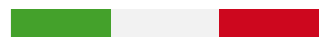
*New Design*

**STANDARD PLUS SERIES  
AUTOMATIC POWER FACTOR CONTROLLERS**

**ERP3 - ERP5 - ERP8**



MADE IN ITALY



[WWW.GRUPPOENERGiA.IT](http://WWW.GRUPPOENERGiA.IT)

Automatic power factor controllers have been designed to get the best performance required by power factor correction applications. Built with special, extremely compact housing, the **ERP3-ERP5-ERP8** match the modern design of the front panel with easy installation and the possibility of expansion on the rear part, that takes place by inserting the **MERP** modules. The LCD screen provides a clear and intuitive user interface. Available in three versions:

<b>ERP3</b> • 3 relays configuration, expandable up to 6 max.	<b>ERP5</b> • 5 relays configuration, expandable up to 8 max.	<b>ERP8</b> • 8 relays configuration, expandable up to 14 max.
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Reference standard IEC/EN 61010-1, IEC/EN 61010-2-30, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4

DESCRIPTION
Automatic power factor controller
Flush-mount, standard 96x96mm housing <b>ERP3, ERP5</b>
Flush-mount, standard 144x144mm housing <b>ERP8</b>
Backlit LCD screen
Versions: <ul style="list-style-type: none"> <li>• ERP3 with 3 relays, expandable to 6 max.</li> <li>• ERP5 with 5 relays, expandable to 8 max.</li> <li>• ERP8 with 8 relays, expandable to 14 max.</li> </ul>
4 navigation keys for function and settings <b>ERP3, ERP5</b>
5 navigation keys for function and settings <b>ERP8</b>
Alarm messages in 6 languages
Expansion bus with 1 slot for <b>MERP</b> series expansion modules <b>ERP3, ERP5</b> : <ul style="list-style-type: none"> <li>• RS232, RS485, USB communications interface</li> <li>• Additional relay outputs</li> </ul>
Expansion bus with 2 slots for <b>MERP</b> series expansion modules <b>ERP8</b> : <ul style="list-style-type: none"> <li>• RS232, RS485, USB communications interface</li> <li>• Additional relay outputs</li> </ul>
High accuracy TRMS measurements
Wide selection of electrical measures, including voltage and current THD with harmonic analysis up to 15th order
Voltage input separated from power supply, suitable for VT connection in medium voltage applications
Wide-range power supply (100-440VAC)
Front optical programming interface: galvanically isolated, high speed, waterproof, USB and WiFi dongle compatible
Programming from front panel, from PC or from tablet/smartphone
2-level password protection for settings
Backup copy of original commissioning settings
Built-in temperature sensor
Tool-less panel mount.

EXPANDIBILITY
Thanks to its expansion bus, the <b>ERP3, ERP5, ERP8</b> can be expanded with <b>MERP</b> series modules.
It is possible to connect a maximum of 1, 2 or 4 <b>MERP</b> ... modules at the same time.
The supported <b>MERP</b> modules can be grouped in the following categories: <ul style="list-style-type: none"> <li>• Additional steps</li> <li>• Communication modules</li> <li>• Digital I/O modules</li> <li>• Analog I/O modules.</li> </ul>
<b>To insert an expansion module:</b> <ul style="list-style-type: none"> <li>• Remove the power supply to the <b>ERP3, ERP5, ERP8</b>.</li> <li>• Remove the protection cover of one of the expansion slots.</li> <li>• Insert the upper hook of the module into the fixing slit on the upper end of the expansion slot.</li> <li>• Rotate the module downwards, inserting the connector on the bus.</li> <li>• Push until the bottom clip snaps in place.</li> </ul>

WARNING
Carefully read the manual before the installation or use.
This equipment is to be installed by qualified personnel, complying to current standards, to avoid damages or safety hazards.
Before any maintenance operation on the device, remove all the voltages from measuring and supply inputs and shortcircuit the CT input terminals.
The manufacturer cannot be held responsible for electrical safety in case of improper use of the equipment.
Products illustrated herein are subject to alteration and changes without prior notice. Technical data and descriptions in the documentation are accurate, to the best of our knowledge, but no liabilities for errors, omissions or contingencies arising there from are accepted.
A circuit breaker must be included in the electrical installation of the building. It must be installed close by the equipment and within easy reach of the operator. It must be marked as the disconnecting device of the equipment IEC /EN 61010-1 § 6.11.2.
Clean the device with a soft dry cloth; do not use abrasives, liquid detergents or solvents



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