



6LE007124A

60052

EN 3-output universal load controller

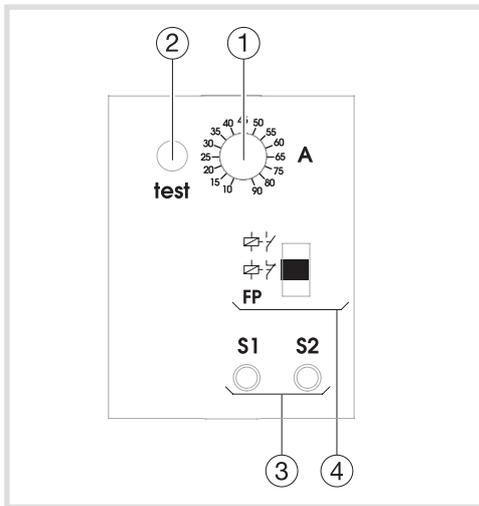
Operating principle

The 60052 load controller optimises your electrical service. It manages excesses of subscribed power, thereby helping you to keep your electrical usage to a minimum.

It limits the power used by disrupting non-priority circuits and prevents the branch circuit breaker from being triggered.

The 60052 is intended for single-phase and three-phase installations equipped with an electronic counter. The setting does not need to be adjusted. The exceedance information is sent directly to the counter via the tele-information link. The 60052 outputs are configurable and can therefore be adapted to all installation types: load shedding by means of the pilot wire, opening switch and closing switch.

About the product



- ① Load shedding threshold setting.
- ② Test button
- ③ Indicator lights for outputs 1 and 2
 - lit = the corresponding output is offloaded
 - flashing = output error (see What do I do if...? section).
- ④ Selection switch for output type
 - installation with closing switch
 - installation with opening switch
 - installation with pilot wire.

Current transformer

The 60052 load controller comes with a current transformer. This current transformer must be installed on the phase that begins from the branch circuit breaker. It informs the load controller of the total power consumed by the installation.

When this consumption exceeds the limit set on the load shedding threshold potentiometer, a load shedding cycle is triggered.

Load shedding

Should the subscribed power be exceeded, the load controller will carry out a rotating load shed between the 2 channels. The load shedding cycle is 6 minutes.

Configuring the output type

The switches d define the type of output.

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 - outputs in "closing switch" mode. To be used when the outputs control a closingswitch (C or NO). In this mode:
 - Load shedding = Off = 0 V
 - On = 230 V
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 - outputs in "openin switch" mode. To be used when the outputs control an opening switch (O or NC). In this mode:
 - Load shedding = Off = 230 V
 - On = 0 V
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 - outputs in "pilot wire" mode. To be used when the outputs control pilot wire input devices. In this mode:
 - Load shedding = "off" signal.
 - 6 compatible pilot wire sequences.

Test button

Pressing this button launches a load shedding test. This test consists of gradually offloading outputs 1 and 2 over 30 seconds. The LEDs flash 5 times to indicate that test mode is now in progress, then the LED corresponding to the offloaded channel lights up. At the end of the test, all of the LEDs switch off.

Frost protection input (terminal 1)

This input allows you to force the pilot wire outputs in frost protection mode. You can connect a switch, the output of your telephone controller, etc.

 This input only operates in "pilot wire" mode.

Programming input (terminal 2)

- In pilot wire mode: using this input, you can connect a heating timer via the pilot wire. Whatever the timer instructions, the load shedding sequence takes priority.
- In contactor mode: these inputs allow you to force OFF.

Input	Position of switch ④	Outputs 1 and 2
230 V	Closing switch	Off = 0 V
	Opening switch	Off = 230 V
0 V	Closing switch	On = 230 V
	Opening switch	On = 0 V

What to do if... ?

- One or more "output" indicator lights are flashing:
 - there is a short circuit on the output (pilot wire/phase inversion in a convector, for example).
 - There is overconsumption on this output: check how many devices are connected to this output and their consumption. Call your electrician.
- The counter indicator light is flashing:
 - the tele-information link is not active, check the connection or call your power company.

Technical features

Power supply: 230 V~ +10/-15% 50 Hz
 Power consumption: < 10 W
 Break capacity:
 - in contact mode: 1 A/230 V~ upon call, so, for example, 10 x 25 A contactors (2 modules) for 3 outputs.
 - in pilot wire mode: 60 mA/230 V~ per output.
 Load shedding cycle: 6 minutes
 Operating temperature: 0°C to +50°C
 Storage temperature: -20°C to +60°C
 Protection rating: IP 20
 Connection capacity: flexible: 1 to 6 mm²
 rigid: 1.5 to 10 mm²

 Correct Disposal of This product (Waste Electrical & Electronic Equipment).

(Applicable in the European Union and other European countries with separate collection systems).

This marking shown on the product or its literature indicates that it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes of disposal.

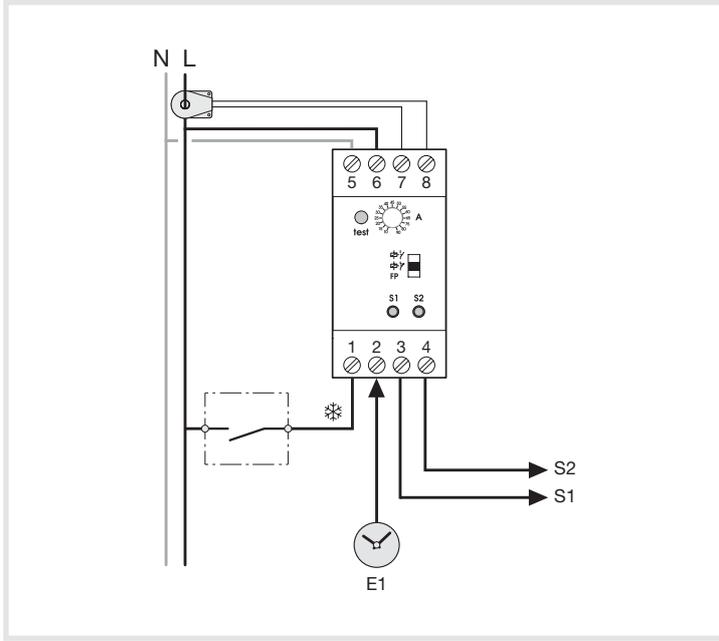
Usable throughout Europe  and in Switzerland

Hager Controls hereby declares that the device complies with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The CE declaration is available on the: www.hagergroup.com

Electrical connection

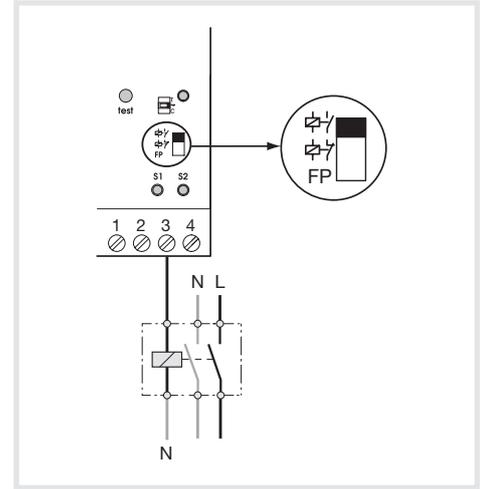
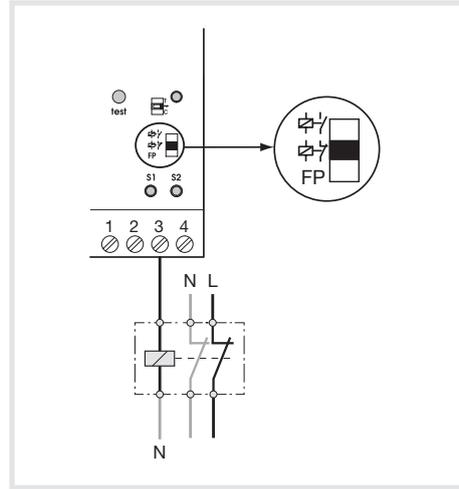
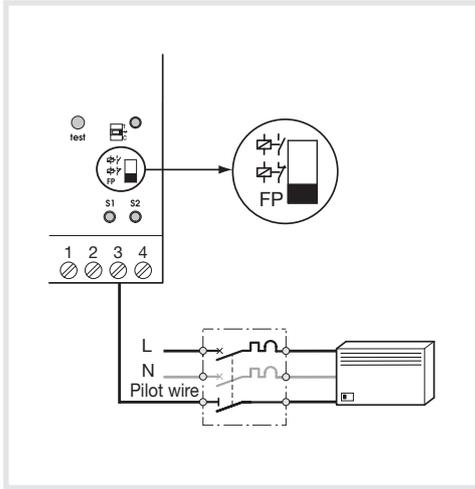
Outline schematic



Output configured to pilot wire

Output configured to opening switch

Output configured to closing switch



Example: control of two circuits via the pilot wire

Example: control of two circuits via the opening switch

