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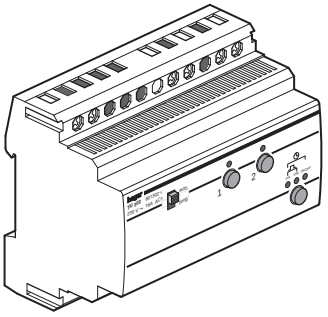


2-output module for universal radio remote control system

2 potential-free AC1 16 A contacts

TU 302

User instruction (GB)

Operating principle

When combined with a TU 350 radio receiver, the TU 302 output module enables the use of RF remote controls TU 202, TU 204 TU 209, and the RF programmable time clock TU250 to control electric circuits from distribution boards. The circuits may be used to control:
- lighting
- controlled power sockets
- specific automation systems (remote regulators, roller shutter controls, garage doors)

Several output modules may be used within an installation.

Operating modes

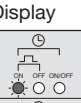
The switch on the front of the unit is used to select the "**auto**" and "**prog**" modes.

The **"auto"** mode is used to:
- operate the outputs from the RF remote controls
- force the status of outputs from the push buttons on the front of the unit.

The mode **"prog"** mode is used to:
- configure the RF remote control keys to allocate them to the module outputs
- view the configuration
- modify the configuration
- erase the configuration
- erase the RF remote control keys.

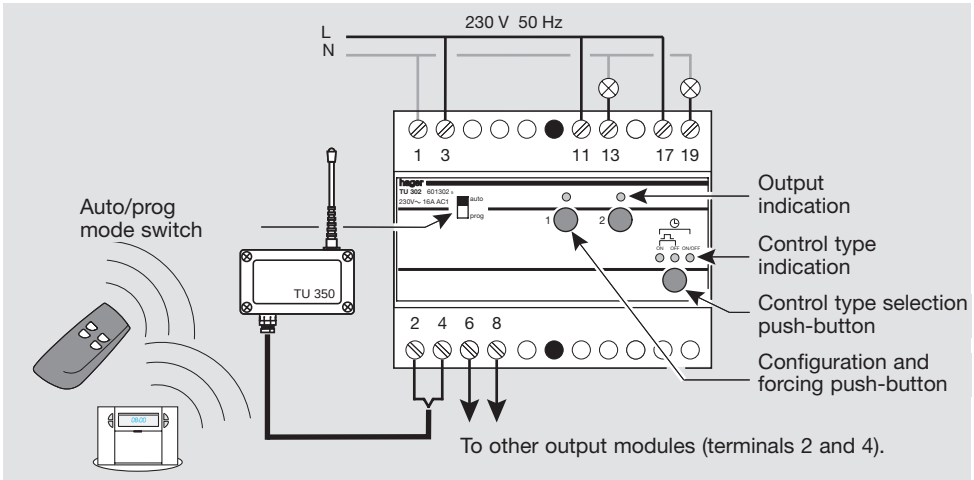
Configuration

Configuring one or more outputs:
- set the switch to the "prog" mode
- press the push-button/s of the output/s to be configured
- press the push-button several times to select the type of control:

Control	Display	Operation
ON		closing the output
OFF		opening the output
ON/OFF		opening and closing the output
monostable (switch push-button)		closing the output when the key is pressed *
⏲		when used by the RF programmable time clock
no function		erasing a remote control key

* used to control the inputs of automation systems (remote regulators, roller shutter controls, garage doors etc.)...
- press the RF remote control key to be configured for 2 sec.
- the LEDs will flash and then go off
- set the switch back to the "auto" position.

Product presentation



Note:
- to allocate several outputs to an RF remote control key (create a group), just select them all during the configuration procedure.
- you can configure an RF remote control key simultaneously on several output modules.

Indication

Press an remote RF control key briefly in the "prog" mode to view the output/s allocated to the key and the type of control

Modifications

Existing configurations can be modified in the "prog" mode to:
- add an output to a key configuration
- delete an output allocated to a key
- modify the operating mode of an output

See the configuration procedure.

Erasing

Erasing is used to delete any existing output configuration from the TU 302 Module.
- in the "prog" mode, press the button of the output to be erased for 10 sec (several outputs can be erased by pressing their respective push-buttons simultaneously).
- at the end of 5 seconds, the LED/s of the output/s will flash and then go off.

To erase the entire output module, press the operating mode selection push-button for 10 sec. After 5 seconds, the three LEDs will flash and then go off.

Erasing the RF remote control command

This procedure is used to erase the allocation of an RF remote control key to an output.
- in the "prog" mode, press the output push-button
- press the push-button of the type of control so that no function is indicated (all three LEDs off)
- press the key you want to erase for 5 seconds
- after 5 seconds, the LEDs will flash and go off.

Forcing

Manual controls can be achieved as follows:
- select the "auto" mode
- press the output push-button for a long period
- the output status will change.

Technical Specifications

Electrical specifications
- power supply: 230 V +10 % to -15 %
- consumption: 5 VA
- outputs: 2 potential-free make contacts

Operation Data
- Contact's loading capacity Indicator:
  - AC1 : 16 A 250 V
  - 2300W incandescent lamps
  - halogen 230V : 2300 W
  - VLV halogen:
    - conventional transformer: 1600 VA
    - electronic transformer: 1200 VA
  - uncompensated fluorescent lamps: 1200 W
- Electrical endurance:
  35000 operations with these different types of load.
- Two-wire connection between receiver and output module:
  - max. length 50 m
  - transmission of RF remote control orders to the output modules
  - receiver power supply: 20 V max.
- Maximum number of remote control memories : 16 per receiver.

Environment
- operating temperature: 0 °C to + 50 °C
- storage temperature: -20 °C to + 70 °C

Connection
- capacity: flexible: 1 to 6□
  rigid: 1,5 to 10□

Dimensions
- modular unit: 6 modules

Warranty (GB)

A warranty period of 24 months is offered on hager products, from date of manufacture, relating to any material of manufacturing defect. If any product is found to be defective it must be returned via the installer and supplier (wholesaler). The warranty is withdrawn if :
- after inspection by hager quality control dept the device is found to have been installed in a manner which is contrary to IEE wiring regulations and accepted practice within the industry at the time of installation.
- the procedure for the return of goods has not been followed. Explanation of defect must be included when returning goods.