More than sensors + automation

JUMO TYA-200-series

Powerful technology for your success



Insistently reliable

- brilliant display with plain text
- "teach-in" self-learning function for partial load failure detection
- dual energy management for uniform electrical power load
- integrated diagnostic systems, e. g. rotary field detection
- full communications capability: Modbus-RS485/422- or PROFIBUS DP interfaces
- setup data transfer possible without control voltage (USB port power supply)
- all versions in protection class IP 20

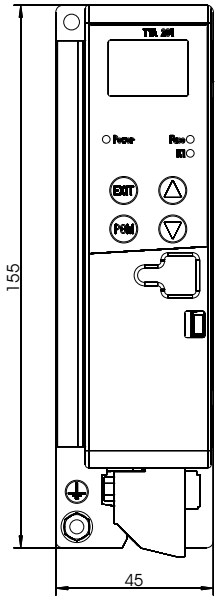


Type 709061, 709062

Device versions

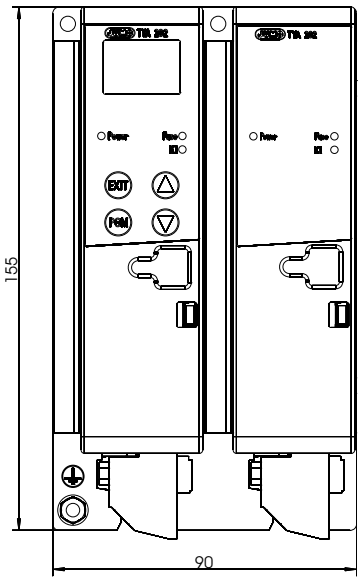
JUMO TYA-201

Single-phase power controller – Type 709061



JUMO TYA-202

Three-phase power controller in a three-phase economy circuit – Type 709062



Convincing technology

The new JUMO power controller series consists of two device versions: type TYA-201 for single-phase operation and type TYA-202 for three-phase operation in a three-phase economy circuit. Thanks to the LC display with plain text that is provided as standard, configuration can be performed quickly and easily on the device. Thanks to its new structure, a slim-size device is now available, with current ranges from 20 A to 250 A. The devices make use of energy management, which evenly distributes the energy in the network and thus saves energy costs. Interfaces are available as options, to establish connection to a control system.

Technical data

JUMO TYA-200 – (Type 709061, 709062)

Circuit options
- single-phase operation
- star connection with accessible neutral
- open delta connection
- three-phase economy circuit using the master/slave principle, for burst-firing mode (TYA-202)
- free-running economy connection (star or delta) with subsidiary P control for burst-firing mode

Operating modes
- phase-angle operation for resistive load and transformer loads, with soft start
- burst-firing operation for resistive load or transformer load

Continuous load current
- 20, 32, 50, 100, 150, 200, 250 A

Load voltages
- 24, 42, 115, 230, 400, 460, 500 V

Subsidiary controls
- U-, U^2- (standard), I-, I^2-, P-control

Application areas

- Triggering ohmic-inductive loads
- Ovens and furnaces (industrial ovens and drying furnaces)
- Machinery manufacturers
- Printing machines
- Packaging industry

PR 70083 EN/ 2011-11-11/ 0542798