

Process and Profile Controller Series JUMO DICON 400 / 500 and 401 / 501

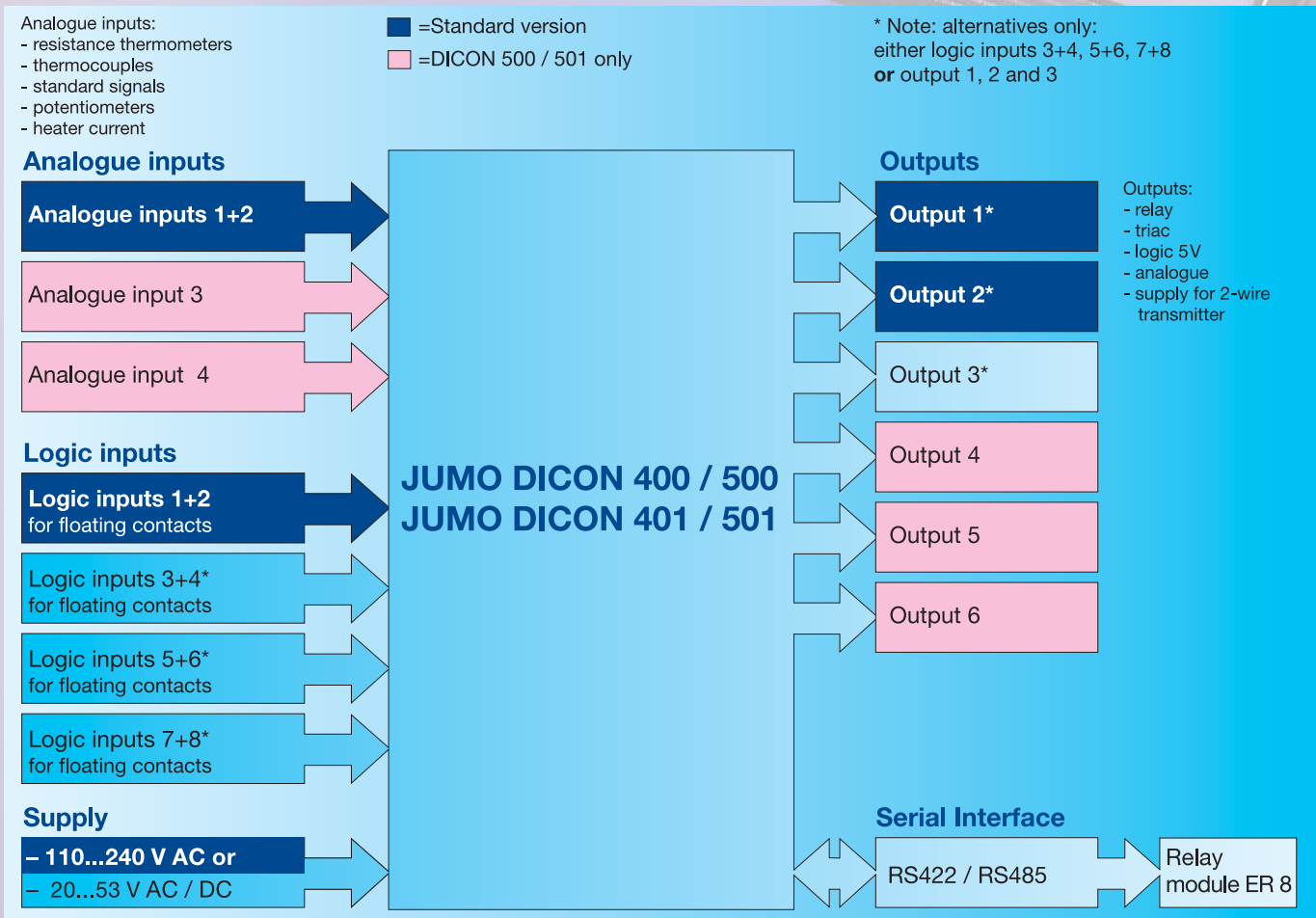


JUMO DICON 400 / 500: Universal process controllers and 401

Functionality summary

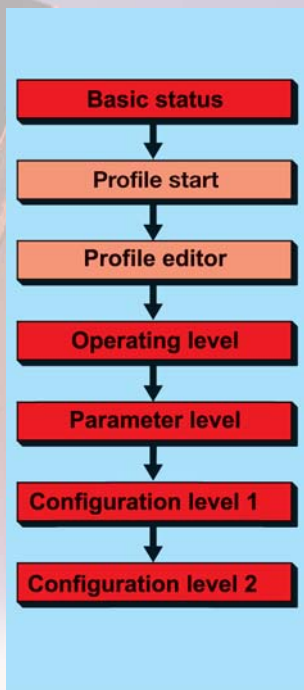
- 6(3) slots for outputs or logic inputs
- 4(2) analogue inputs
- full isolation (50 V)
- 8 limit comparators
- 4 setpoints (DICON 400 / 500)
- proven autotuning system
- 2 parameter sets
- maths and logics module
- setup program and profile editor (DICON 401 / 501)
- DIN 3440, GL, LR, BV, RINA and DNV (DICON 500 / 501)
- UL-approval
- fuzzy-function (DICON 400 / 500)
- customized linearisation tables
- separate setup interface
- RS422 / 485 interface
- Jbus / MODbus protocol
- PROFIBUS-DP
- 10 profiles, 100 sections (DICON 401 / 501)
- real-time clock (DICON 401 / 501)
- 8 operating contacts (DICON 401 / 501)
- customized text display (8 characters)
- Protection IP 65 front
- hardware identification on all modules
- JUMO start-up software

Block structure



/501: Universal profile controllers

Simple operation



Controller parameters and configuration data are assigned to different levels for easy programming.

Operating level

The various process parameters (measurements of analogue inputs, profile times etc.) can be indicated here.

Profile start (DICON 401/501)

The conditions for the profile start are being set here.

Profile editor (DICON 401/501)

Profiles are created and edited from the keys.

Parameter level

The controller parameters are set here.

Configuration level 1

Basic instrument functions, such as controller, inputs, outputs, are configured here.

Configuration level 2

The hardware and software codes corresponding to the instrument specification are indicated here.

Functions of the logic inputs

Process controller JUMO DICON 400/500

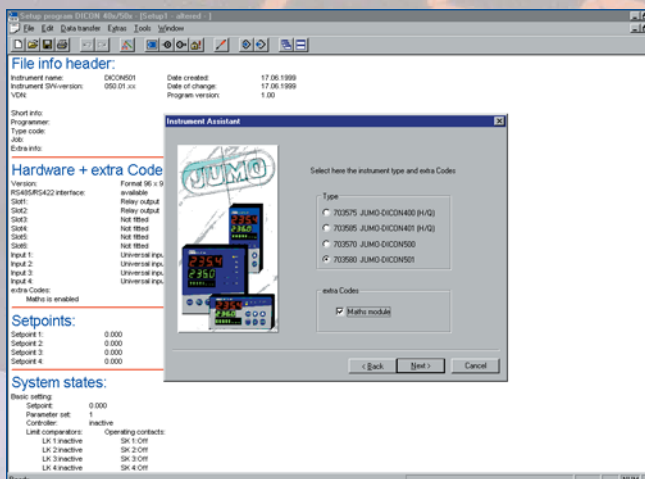
- start/stop autotuning
- changeover manual operation
- manual operation inhibit
- Ramp stop
- Ramp off
- setpoint switching
- process value switching
- parameter set switching
- key/level inhibit
- text display
- all displays off
- auto/manual changeover

Functions of the outputs

Process controller JUMO DICON 400/500

- analogue input values
- maths
- process value
- setpoint
- control deviation
- controller outputs
- fixed value
- limit comparators
- logics
- manual operation signal

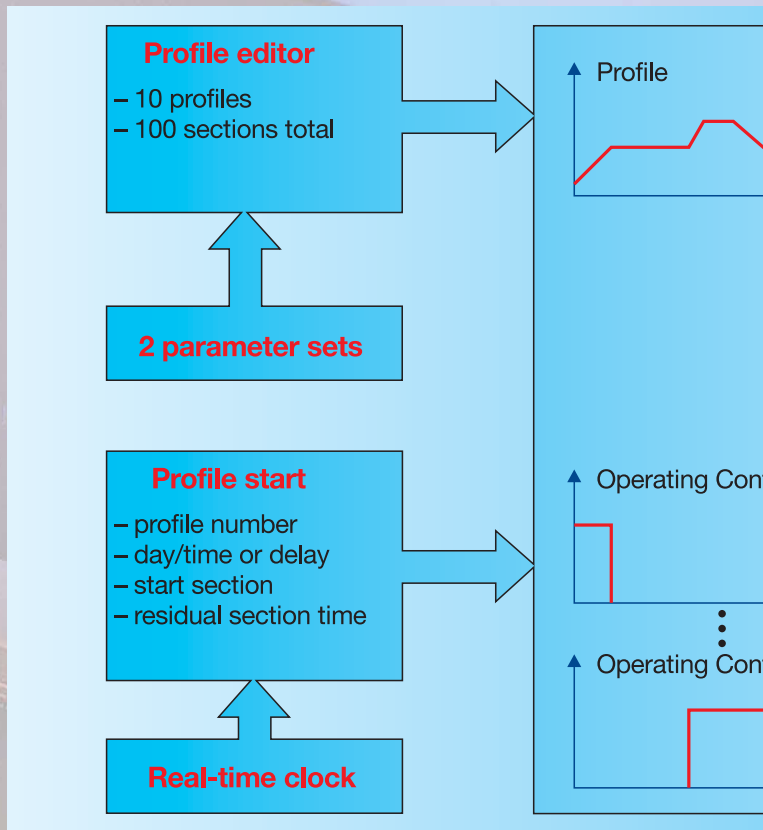
Setup-Program



The setup-program for configuring the instrument is available in English, French and German. Using a PC, data sets can be created, edited, transferred to the controller or read from the instrument. The data sets are stored and managed.

The profile editor conveniently creates and edits profile programmes. Setpoint profiles can be read in and out either singly or in groups.

Profile controller

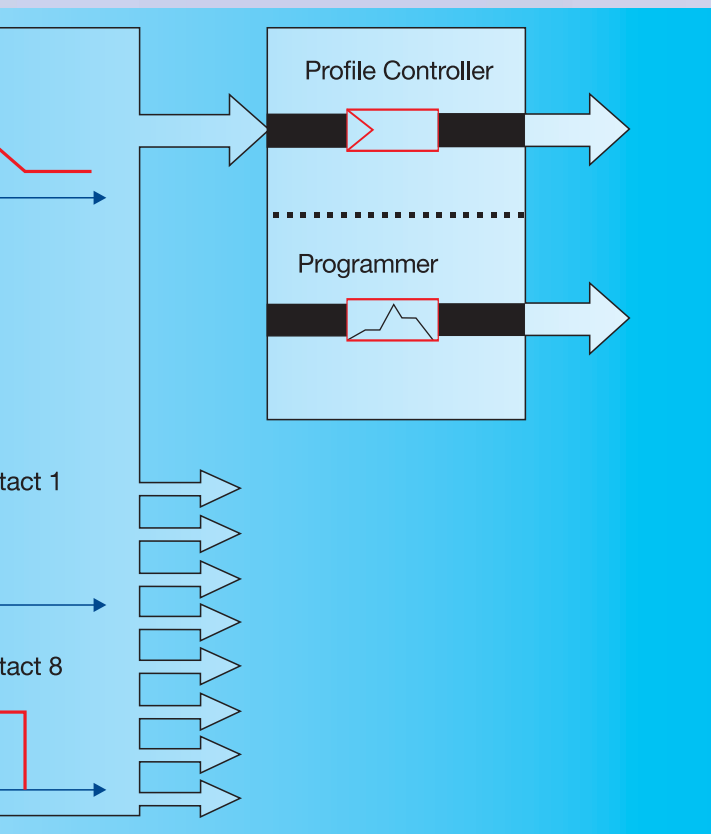


Additional functions of the Profile controller JUMO DICON 401 / 501

- programming inhibit
- profile start
- profile stop
- profile abort
- profile selection
- fast forward
- section change

Additional functions of the Profile controller JUMO DICON 401 / 501

- tolerance signal
- max. 8 operating contacts
- profile end signal





- two 4-digit 7-segment displays
- one 8-character dot matrix display
- six status displays for K1...K6
- two operating mode displays for "manual" and "ramp"
- six keys for operation and configuration
- two display levels (manual or scrolled)

Dimensions

JUMO DICON 500 (Type 703570)
JUMO DICON 501 (Type 703580)
bezel 96 x 96 mm,
fitting depth 130 mm

JUMO DICON 400, landscape and portrait (Type 703575)
JUMO DICON 401, landscape and portrait (Type 703585)
bezel 96 x 48 mm,
fitting depth 130 mm



Fax reply

(for fax number see address below)

PR 70043 GB "Process and profile controllers JUMO DICON 400/500 and 401/501"

Please send me the following data sheets:

☐ Process controller JUMO DICON 400/500
(Data Sheet 70.3570)

☐ Profile controller JUMO DICON 401/501
(Data Sheet 70.3580)

☐ **Send me a quotation**

Type

Quantity

Please send me:

☐ **your product guide** (PR 00046 GB)

☐ **your free CD "Products"**

☐ **Please contact me:**

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Phone

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Name

Company

Industry

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