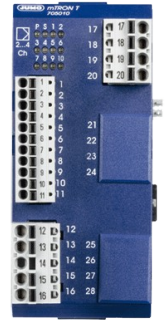


## Multichannel Controller Module (705010)

- Up to 4 PID controller channels, each with 2 parameter sets and 4 setpoint values
- Autotuning with the oscillation or step response method
- Independent operation
- 2 high-quality universal analog inputs for thermocouple, RTD temperature probe, resistance transmitter, resistance/potentiometer, and standard signals
- 2 digital inputs DC 0/24 V
- 2 digital outputs as relays with normally open contact AC 230 V, 3 A or logic DC 0/15 V
- Inputs and outputs can be extended (option)
- All analog inputs are galvanically isolated from each other
- Limit value monitoring functions



### Order details

|                                 |   |
|---------------------------------|---|
| <b>(1) Basic type</b>           |   |
| 705010                          | Multi-channel controller module (2x universal input, 2x digital input, 2x digital output) |
| <b>(2) Basic type extension</b> |   |
| 1                               | 2 relays (make contacts)  |
| 2                               | 2 logic outputs 0/15V   |
| <b>(3) Version</b>              |   |
| 8                               | Standard with default settings  |
| <b>(4) Slot 1</b>               |   |
| 0                               | Not to be used  |
| 1                               | Analog input  |
| 2                               | Relay (changeover)  |
| 3                               | 2 relays (make contacts with the same connector)  |
| 4                               | Analog output   |
| 5                               | 2 logic inputs  |
| 6                               | Solid-state relay 1A  |
| 7                               | 2 open collector outputs  |
| <b>(5) Slot 2</b>               |   |
| 0                               | Not to be used  |
| 1                               | Analog input  |
| 2                               | 1 relay (changeover)  |
| 3                               | 2 relays (make contact with the same connector)   |
| 4                               | Analog output   |
| 5                               | 2 logic inputs  |
| 6                               | Solid-state relay 1A  |
| 7                               | 2 open collector outputs  |
| <b>(6) Slot 3</b>               |   |
| 0                               | Not to be used  |
| 2                               | 1 relay (changeover)  |
| 3                               | 2 relays (make contact with the same connector)   |
| 4                               | Analog output   |
| 5                               | 2 logic inputs  |
| 6                               | Solid-state relay 1A  |
| 7                               | 2 open collector outputs  |
| <b>(7) Voltage supply</b>       |   |
| 36                              | DC 24 V +25/-20 %   |
| <b>(8) DNV GL approved</b>      |   |
| 000                             | Without approval  |
| 062                             | With DNV GL approval  |
| <b>(9) DIN approved</b>         |   |
| 000                             | Without approval  |
| 056                             | With DIN approval   |
| <b>(10) Extra codes</b>         |   |
| 000                             | Without extra code  |
| 879                             | AMS2750/CQI-9   |

**Order code**

|                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| (1)                  | (2)                  | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Planning data: module width 45 mm, current consumption max. 300 mA

Power supply unit with GL approval required (e.g. type 705090).

**Overview: expansion boards**

| Description   | Order code   | Part no. |
|---|--------------|----------|
| Analog input (code: 1)                                      | 705099-1-000 | 00569497 |
| Relay (changeover contact) (code: 2)                        | 705099-2-000 | 00569498 |
| 2 relays (normally open contact with common pole) (code: 3) | 705099-3-000 | 00569499 |
| Analog output (code: 4)                                     | 705099-4-000 | 00569500 |
| 2 digital inputs (code: 5)                                  | 705099-5-000 | 00569501 |
| Solid state relay 1A (code: 6)                              | 705099-6-000 | 00569502 |
| 2 open-collector outputs (code: 7)                          | 705099-7-000 | 00569503 |

**Important information:**
**Extra code 879 (AMS2750/CQI-9)**

For the calibration certificate, the channels to be checked must be named, stating the thermocouple type and the desired measuring points. The device is to be used as a permanently installed field device. Use as a mobile field testing device for SAT and TUS exams is not permitted.


**Stock versions**

| Order code           | Part no. |
|----------------------|----------|
| 705010/18-000-36/000 | 00566223 |
| 705010/18-114-36/000 | 00524744 |
| 705010/18-400-36/000 | 00577976 |

**Accessories**

| Description                             | Part no. |
|---|----------|
| 705099/1-000 (analog input)             | 00569497 |
| 705099/2-000 (relay (changeover))       | 00569498 |
| 705099/3-000 (2 relays (make contact))  | 00569499 |
| 705099/4-000 (analog output)            | 00569500 |
| 705099/5-000 (2 logic inputs)           | 00569501 |
| 705099/6-000 (solid-state relay 1A)     | 00569502 |
| 705099/7-000 (2 open collector outputs) | 00569503 |

Accessories see price sheet:

- JUMO mTRON T - Central Processing Unit (705001)
- Relay Module 4-Channel (705015)
- Analog Input Module 4-Channel (705020)
- Analog Input Module 8-Channel (705021)
- JUMO mTRON T - Analog Output Module Four-Channel (705025)
- Digital Input or Output Module 12-Channel (705030)
- JUMO mTRON T &minus; Router Module (705040)
- JUMO mTRON T – Multifunction Panel 840 (705060)
- Operating Panels – for JUMO mTRON T Measuring, Control, and Automation system (705065)
- Power Supply Units – Module for Automation System (705090)