The DeltaSol® AL solar controller is a temperature differential controller that offers all the vital functions for a standard solar thermal system. The controller is equipped with the comprehensive System-Monitoring-Display, which shows the system parameters quickly and easily.

For data communication, the controller has a VBus. Operation and function control are simple as usual.

- System-Monitoring-Display
- Up to 3 Pt1000 temperature sensors
- Heat quantity measurement
- Function control
- Operating hours counter
- Intuitive operating concept
- Unit °F and °C selectable

The cTUVus certification confirms that the controller is certified to UL 60730-1A and CSA E60730.1.

RESOL DeltaSol® AL
Price bracket A | Article no.: 115 212 63

RESOL DeltaSol® AL Full kit
Incl. 2 Pt1000 sensors (1 x FKP6, 1 x FRP6)
Price bracket A | Article no.: 115 212 73

Customised and OEM versions are available on request. Please contact our sales team.

Manuals:
**Technical data**

- **Inputs:** 3 Pt1000 temperature sensors
- **Outputs:** 1 electromechanical relay (changeover)
- **Switching capacity:**
  - 4 (1) A 240 V– (electromechanical relay)
  - Total switching capacity: 4 A 240 V–
- **Power supply:** 100 ... 240 V– (50 ... 60 Hz)
- **Supply connection:** type Y attachment
- **Power consumption:** < 0.7 W (standby)
- **Mode of operation:** type 1.B action
- **Rated impulse voltage:** 2.5 kV
- **Data interface:** RESOL VBus
- **VBus current supply:** 35 mA
- **Functions:** function control, operating hours counter, tube collector function and heat quantity measurement
- **Housing:** plastic, PC-ABS and PMMA
- **Mounting:** wall mounting
- **Indication/Display:** System-Monitoring-Display for visualisation, 16-segment display, 7-segment display, 8 symbols for system states, background illumination and operating control lamp
- **Operation:** 3 push buttons and 1 slide switch at the front of the housing
- **Ingress protection:** IP 20/EN 60529
- **Protection class:** II
- **Ambient temperature:** 0 ... 40 °C
- **Pollution degree:** 2
- **Dimensions:** 144 x 208 x 43 mm

**Electrical connection**

- Inputs: 3 Pt1000 temperature sensors
- Outputs: 1 electromechanical relay (changeover)
- Switching capacity:
  - 4 (1) A 240 V–
  - Total switching capacity: 4 A 240 V–
- Power supply: 100 ... 240 V– (50 ... 60 Hz)
- Supply connection: type Y attachment
- Power consumption: < 0.7 W (standby)
- Mode of operation: type 1.B action
- Rated impulse voltage: 2.5 kV
- Data interface: RESOL VBus
- VBus current supply: 35 mA
- Functions: function control, operating hours counter, tube collector function and heat quantity measurement
- Housing: plastic, PC-ABS and PMMA
- Mounting: wall mounting
- Indication/Display: System-Monitoring-Display for visualisation, 16-segment display, 7-segment display, 8 symbols for system states, background illumination and operating control lamp
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- Ingress protection: IP 20/EN 60529
- Protection class: II
- Ambient temperature: 0 ... 40 °C
- Pollution degree: 2
- Dimensions: 144 x 208 x 43 mm

**Examples**

- Solar system with 1 store
- Solar system with swimming pool
- Heating circuit return preheating
- Heat exchange controller
- Solid fuel boiler
- Application examples

**Accessories**

- **RESOL KM1 Communication module**
  - Communication module incl. RESOL service CD and network cable, mains adapter and VBus cable pre-connected
  - Price bracket A | Article no.: 180 011 30

- **RESOL VBus /USB interface adapter**
  - PC connection set for RESOL controllers with VBus incl. RESOL Service CD (see page 65)
  - Price bracket B | Article no.: 180 008 50
  - **57.00 €**

- **RESOL VBus /LAN interface adapter**
  - Network connection set for RESOL controllers with VBus incl. RESOL Service CD (see page 65)
  - Price bracket B | Article no.: 180 008 80
  - **105.30 €**

- **RESOL AM1**
  - Alarm module for signalling system failures
  - Price bracket B | Article no.: 180 008 70

- **RESOL SP10**
  - Sensor overvoltage protection
  - Price bracket A | Article no.: 180 110 70

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