

# RTA421

## Limit switch

### Contactor with loop power supply for monitoring current or voltage signals



More information and current pricing:

[www.apsc.endress.com/RTA421](http://www.apsc.endress.com/RTA421)

#### Benefits:

- 2 relays for set point monitoring (with SPDT contacts)
- Loop power supply for connected sensors
- LC display for alarm set points and bar graph
- Compact housing
- Front end setup using 3 push buttons
- DIN rail mounting, 45 mm housing width

#### Specs at a glance

- **Input** 1 x analog (U, I)
- **Output** 1 x transmitter power supply
- **Output** 1 x transmitter power supply
- **Display** LCD 6 mm (0.24") 4-digit Bargraph
- **Power Supply** Not defined

**Field of application:** The RTA421 contactor monitors industrial processes for safe operation. The unit analyzes current (0/4...20 mA) and voltage signals (0/2...10 V) and switches two independent output relays if the values either exceed or undercut the preset alarm set points. On the display both limit values are indicated in parallel. The bar graph informs on the connected signal at any time. Applications include pump control in the waste water industry. Level measurement in silos can be economically achieved.

#### Features and specifications

Acquisition / Evaluation

**Measuring principle**

Contacter

**Function**

Display

Power

Switch

**Certification**

-

**Input**

1 x analog (U, I)

**Output**

1 x transmitter power supply

**Relay output**

2 x changeover contacts

**Auxiliary power supply / Loop power supply**

196...250 V AC

97...127 V AC

20...250 V AC/DC

**Dimensions (wxhxd)**

45 x 107.8 x 112 mm

(1.77" x 4.24" x 4.41")

**Operation**

3 keys

**Display**

LCD 6 mm (0.24")

4-digit

Bargraph

Process transmitter

**Measuring principle**  
Process transmitter

**Measuring principle**  
Contacter

**Function**  
Display  
Power  
Switch

**Loop power supply**  
196...250 V AC  
97...127 V AC  
20...250 V AC/DC

**Power Supply**  
Not defined

**Input**  
1 x analog (U, I)

**Output**  
1 x transmitter power supply

**Software functions**  
Not defined

**Certificates**  
-

**SIL**  
Not defined

**Display**  
LCD 6 mm (0.24")  
4-digit  
Bargraph

Process transmitter

**Interface**

Not defined

---

**Dimensions (WxHxD)**

45 x 107.8 x 112 mm (1.77" x 4.24" x  
4.41")

---

More information [www.apsc.endress.com/RTA421](http://www.apsc.endress.com/RTA421)