Tempatron Tel: +44(0)1621 859500 Fax: +44(0)1621 855335

# Output Conversion Modules

**Models Available**

**CONV0/10A0** 10Vdc PWM to 0-10Vdc or 4-20mA

**CONVONOFF0** 10Vdc On/Off to SPCO Relay

**Product Features**

- Converts an SSR control signal
- 0-10Vdc or 4-20mA output
- On/Off relay output
- 24Vac auxiliary powered
- IP20 enclosure code
- DIN rail mounting

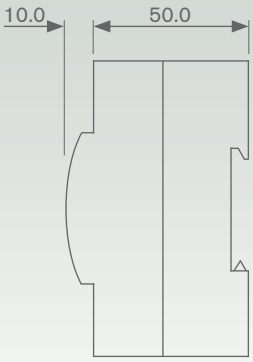
The Tempatron output conversion modules are designed to be connected to the SSR output from a digital temperature or process controller.

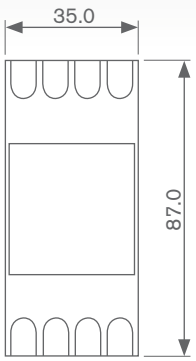
The CONV0/10A0 module converts the 10Vdc PWM (pulse width modulated) signal into an analogue 4-20mA or 0-10Vdc output whilst the CONVONOFF0 module converts the 10Vdc PWM signal into an on/off relay output.

These conversion modules are housed in a compact DIN rail mounting enclosure and are powered from 24Vac.

## For conversion of SSR control signal to a on/off relay or analogue output

**Dimensions**

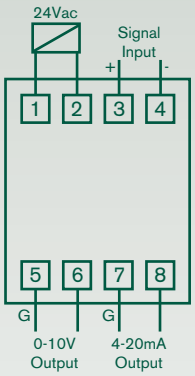


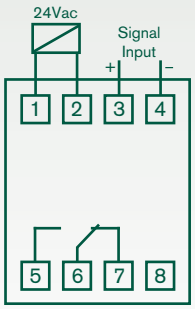

All dimensions in mm

**Connections**

**CONV0/10A0**




**CONVONOFF0**



## Ordering information

| Model | Code | Description |
|---|---|---|
| | CONV0/10A0 | 10Vdc PWM signal to 0-10V or 4-20mA output |
| | CONVONOFF0 | 10Vdc on/off signal to on/off relay output |
| **Example** | **CONV0/10A0** | |

## Specification

**Power Supply Voltage:**
- 24Vac (±10%)

**Burden**
- <50mA for CONV0/10A0
- <30mA for CONVONOFF0

**Frequency:**
- 50/60Hz

**CONV0/10A0 Input:**
- 10Vdc PWM (10/20mA)
- Impedance 200ohms
- Pulse: minimum 8ms, maximum 200ms

**CONVONOFF0 Input:**
- 10Vdc On/Off (10/20mA)
- Impedance 200ohms

**CONV0/10A0 Output:**
- 0-10Vdc (5mA maximum)
- 4-20mA (7Vdc maximum)
- Response time 1.2 seconds

**CONVONOFF0 Output:**
- Single pole changeover contact
- 10A at 240Vac/30Vdc (resistive)

**Operating Temperature:**
- 0°C to 50°C

**Storage Temperature:**
- -10°C to 70°C

**Enclosure Code:**
- Case IP20

**Weight:**
- 110g

**Markings:**
- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

Tempatron: Eltime House, Hall Road, Maldon, Essex, CM9 4NF UK.

TEMPATRON

Tempatron Industrial Controls is a division of Eltime Ltd.