



IDRATEK

INTELLIGENT AUTOMATION

ODO-001

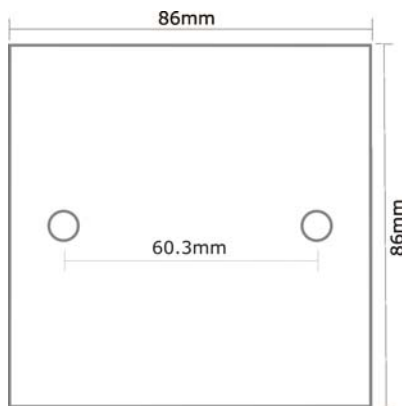
8 Way General Purpose Digital Output

IDRATEK LTD
8 Clanfield Court
Newcastle Upon Tyne
NE3 1TZ
UK

t: +44 191 2840686
w: www.idratek.com

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The ODO-001 module provides a basic digital output interface to the IDRANet system. It is intended as a low cost expansion base for creating add-on custom digital output interfaces and as such only provides a low level unbuffered set of digital output signals. However these output signals retain the advanced static and dynamic operation functions.



Physical

- 8 x 0-5V Digital Outputs (**non-isolated, unbuffered**)
- Maximum current sink per output 20mA (80mA total)
- Maximum source per output 1mA (5mA total)

Functional

- All output states can be interrogated at any time
- Highly flexible static output state modification eg. WRITE/SET/CLEAR/TOGGLE any group or individual
- Module start-up output states are user programmable
- Powerful programmable dynamic output functions include:
 - Single shot: Delay, activity time, post activity state
 - Toggle: Period, duration
 - PWM: Mark, space, duty cycle
- Status indicator LED
- Fully IDRANet Compatible

Electrical

- Operating voltage 12-15V DC
- Current consumption 15mA (nominal)
- 0V Reference provided for digital outputs
- Maximum current sink per output 20mA (80mA total)
- Maximum source per output 1mA (5mA total)

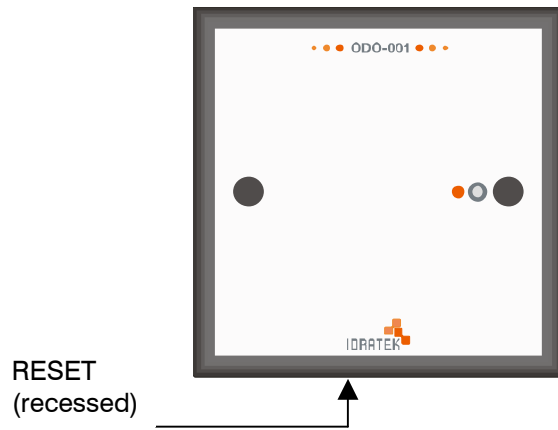
Environmental

- Operating temperature -10°C to $+45^{\circ}\text{C}$
- Operating humidity 5% to 95% (non-condensing)

Mechanical

- Designed to fit UK standard 35mm deep electrical pattress
- 60.3mm fixing centres using standard M3.5 screws
- Digital output connections via 2.54mm pitch terminal block, up to 0.5mm^2 conductor cross section. Two 0V connection points.

Interfaces (front)



Interfaces (rear)

