



# IDRATEK

INTELLIGENT AUTOMATION

## **QBI-002**

### **4 General Purpose Button Inputs**

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The QBI-002 is a general purpose button and LED input/output module. It may be used to provide general user interface functions, for example to set lighting scenes, operate blinds, manually adjust dimming, operate macros, etc.. The general purpose LED indicators can provide function status feedback or might be used as button locators in dark conditions.



Physical

- 4x Positive Click Push Button Inputs
- 4x Red LED Indicator Outputs
- Green Status indicator LED

Functional

- All input and output states can be interrogated at any time
- Highly flexible static LED state modification eg. WRITE/SET/CLEAR/TOGGLE any group or individual
- Module start-up LED states are user programmable
- Powerful programmable dynamic LED controls include:
  - Single shot: Delay, activity time, post activity state
  - Toggle: Period, duration
  - PWM: Mark, space, duty cycle
- All buttons can provide independent event triggers with mode programmable trigger gating:
  - Eg: trigger on press, trigger on release, trigger on either transition, trigger and latch
- Module Initialise trigger
- Each event trigger can generate a pre-defined response and/or several user programmable responses.
- In-situ reprogrammable firmware



Electrical

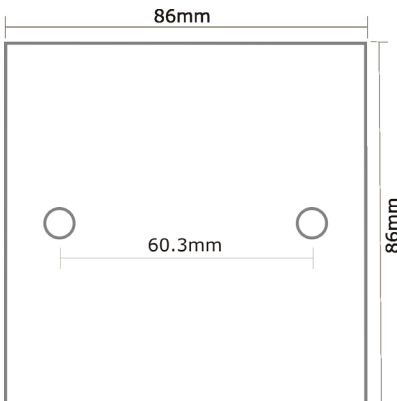
- Operating voltage 12-15V DC
- Current consumption 20mA (nominal)

Environmental

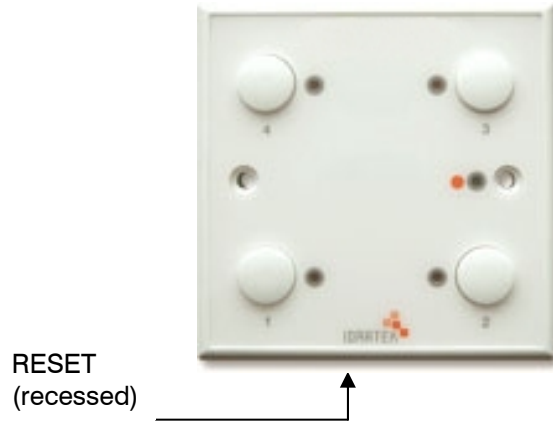
- Operating temperature -10°C to +45°C
- Operating humidity 5% to 95% (non-condensing)

Mechanical

- Designed to fit UK standard 35mm deep electrical pattress
- 60.3mm fixing centres using standard M3.5 screws



Interfaces (front)



Module Connections (Rear)

