

## Digital output box U11376

### Instruction sheet

08/10 Hh



#### 1. Safety instructions

- Connect the digital output box to the 3B NETlog™ “Digital Outputs” socket only. The wiring is not suitable for connection to the digital inputs.

#### 2. Scope of delivery

1 Digital output box  
1 Mini DIN connecting lead 8-pin, 60 cm length

#### 3. Description

The digital output box fans out the four 3B NETlog™ digital interface outputs A/B/C/D to eight 4-mm safety sockets.

The digital signal can be read from the red sockets as a TTL output. The blue sockets are connected to ground.

#### 4. Technical data

Output signal: 5 V TTL level, short-circuit-protected  
Each digital output is fanned out to 2 x TTL inputs on the digital output box

#### 5. Operation

- Connect the digital output box to the “Digital Outputs” socket of the 3B NETlog™ equipment using the included mini DIN lead.

The digital signal can be linked to various events in the 3B NETlab™ software, or it can be selected directly.

#### 6. Sample experiment

High and low control signals relative to voltage levels at analog inputs A and B that are adjusted to provide an arbitrary comparator threshold.

Construction of a binary weighted digital-to-analogue converter (DAC) with an R-2R ladder resistor ladder.

Programmable logic control using 4-bit programmable logic (PLC), e.g. for a stepper motor

