



This product meets new  
CE Mark requirements.

### S-UCD-M001 and S-UCD-M006 Pulse Input Adapters

The Contact Closure Pulse Input Adapter connects sensors with pulse outputs to loggers with smart-sensor inputs. This smart sensor is compatible with contact closures, such as tipping-bucket rain gauges or reed switches with a maximum input frequency of 2 Hz (2 pulses per second), and a preferred switch-type of normally-open.

#### Specification:

**Maximum Input Frequency:** 2 Hz (2 pulses per second)

**Measurement Range:** 0 – 65,533 pulses per logging interval

**Resolution:** 1 pulse

**Lockout time:** 327 ms  $\pm$  10%

**Recommended Input Type:** Mechanical contact closure (example: reed switch in a tipping-bucket rain gauge)

**Preferred Switch State:** Active low input Normally open

**Edge Detection:** Falling edge, Schmitt Trigger buffer (logic levels: low  $\leq$  0.6 V, high  $\geq$  2.7 V)

**Minimum Pulse Width:** 1 ms

**Input/Output Impedance:** 100 K $\Omega$

**Open Circuit Input Voltage:** 3.3 V

**Maximum Input Voltage:** 3.6 V

**User Connection:** 24 AWG wires, 2 leads: white(+), black(-)

**Operating Temperature Range:** -40° to 75°C (-40° to 167°F)

**Overall Cable Length:** 1 m (3.3 ft.)

**Housing:** Weatherproof PVC housing protects input adapter electronics

**Housing Dimensions:** 14 x 0.95 cm (5.5 x 0.375 in.)

**Weight:** 310 g (11 oz.)

**Bits per Sample:** 16

**Number of Data Channels:** 1

**Measurement Averaging Option:** No (reports the number of pulses over the logging interval)

#### Order Information:

**Contact Closure Pulse Input Adapter  
(1 Metre Cable)**

**Part No:  
S-UCD-M001**

**Contact Closure Pulse Input Adapter  
(6 Metre Cable)**

**S-UCD-M006**