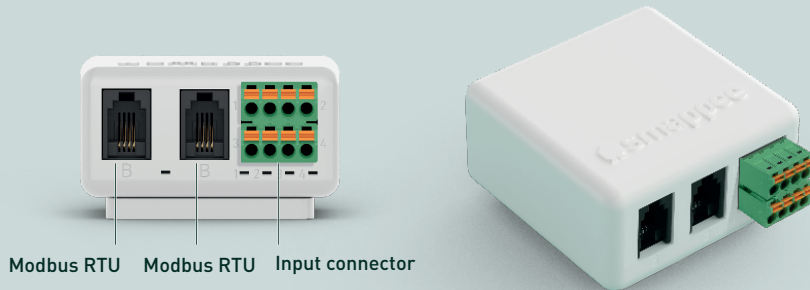# Smappee Input module

Modbus RTU   Modbus RTU   Input connector

- Add additional inputs to the Smappee Infinity ecosystem.
- 4 digital inputs to count pulses or monitor input status (low/high).
- Daisy-chain up to 10 modules.
- The input modules can easily be added thanks to a quick RJ10 connection.
- All reported data is available in the Smappee App, Dashboard and API.

The Smappee Input module can count pulses of up to four digital inputs such as sensors, meters and other devices. It can also monitor state changes (low/high) to trigger other processes.
Add up to 10 input modules to the Smappee Infinity setup thanks to its RJ10 connection. The modules transfer all collected data via Modbus RTU (RS-485) to the Smappee Genius or any third party data logger. This data is available in the Smappee App, Dashboard and API.

- **Power supply input range:** 5 - 12 V DC
- **Dimensions:** 55 mm x 55 mm x 26.6 mm (2.17 x 2.17 x 1.05 inches)
- **Weight:** 49 g (1.72 oz)
- **Working temperature:** -10 °C to 60 °C (14 °F to 140 °F)
- **Storage temperature:** -20 °C to 90 °C (-4 °F to 194 °F)
- **Relative humidity:** 0 % - 95 %, non-condensing
- **Operating altitude:** 0 – 2,000 m (0 – 6,562 feet)
- **Connectivity:** 2 x Smappee Bus B (Modbus RTU)
- **Input connector:**
  – Removable push in spring connection terminal block, 8 positions
  – Solid cable with diameter range 0.5 to 1.5 mm² (20 AWG - 15 AWG). Stranded cable not recommended.

- **Digital input specifications:**
  – 4 inputs
  – 12 V powered inputs to support external devices with simple contact switch
  – All inputs have common power
  – Typical current when input is closed : 5 mA
  – Inputs can withstand 30 V max
  – Inputs galvanically isolated from RJ10 connector (1 KV)
  – Maximum pulse input frequency: 10 Hz (low pass filtered)
- **Accessories included:**
  – Mounting plate (DIN or wall)
  – Smappee Bus cable 150 cm (59 inches)

smappee