Pulse splitters

Input/output

- One channel pulse input from utility meters. Three channel variant available for bi-directional meters and/or tamper switch.
- 2-way or 3-way outputs to data loggers or data telemetry systems.

Connections

- Bare end cables as standard.
- Cable lengths are 1m length as standard (2m from input to output).
- Cable termination options to suit user requirements for minimal cable joins.

Submersible

- Fully potted.
- Ingress protected to IP68

No power required

- Passive device.
- No batteries or power supply required.
- Uses power supply from data acquisition systems.

Value

- Low cost, durable design.
- Ideal for TOTEX budget.



2-way Submersible Passive Pulse Splitter –LPS012



3-way Submersible Passive Pulse Splitter –LPS013

Cable termination

Pulse units

Pulse splitters can be supplied with meter pulse units directly connected. This minimises the number of cable joins exposed to water ingress. We supply pulse units for Elster, Itron, Arad and Sensus meters amongst others.

Inputs/outputs

Cables can be terminated to connect directly into your logging and telemetry devices. We provide a wide variety of connectors including Souriau MIL- spec (pictured right), DIN connectors and more.



Souriau Manual

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Pulse splitters

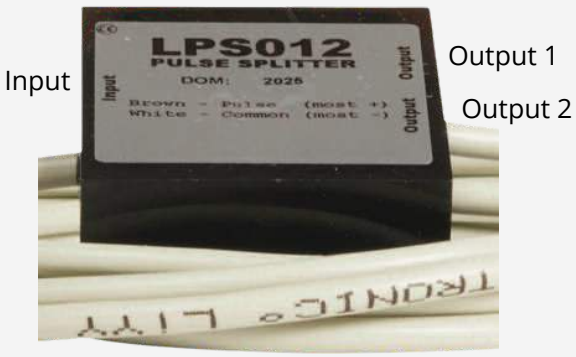
Langham Controls Pulse Splitter is designed to split the pulse signal from a single utility meter to multiple data acquisition systems such as data loggers, AMR devices and PLCs. The Pulse splitter is fully potted to provide ingress protection to IP68. The Pulse Splitter is a passive device that does not require batteries.

Installation procedure (bare end)

- **Step 1:** connect the input cable to the meters pulsed output. Where applicable the polarity is:
  Red = mostly positive (+)
  Black = mostly negative (–).
- **Step 2:** connect the output one cable to a data acquisition device. Where applicable the polarity is:

  Red = mostly positive (+)
  Black = mostly negative (–).
- **Step 3:**
  connect the second output to the remaining data acquisition device. Where applicable the polarity is:

  Red = mostly positive (+)
  Black = mostly negative (–).
- **Step 4:**
  check that both data acquisition devices are recording correctly. If one device is not wired correctly it has the potential to prevent the othe r device from receiving pulses. If either or both devices are not recording correctly, please check the polarity.



2 way Pulse Splitter –LPS012



3 way Pulse Splitter –LPS013

Installation procedure (terminated connections)

If supplied with terminated connections, please refer to the meter/data acquisition device's installation instructions. Please contact Langham Controls for connector-specific instructions if required.

IMPORTANT

The Pulse Splitter provides no intrinsic safety isolation required for gas/potentially explosive environments.

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