

# PS100 Pulse splitter

For all digital register pulsers  
Industrial reed switch outputs



## Materials

Splitter box Black ABS plastic

## Cable

Register to box 2 core shielded 24 AWG 15'  
Outputs 2 x 2 core shielded 24 AWG 15'

## Environmental

NEMA/IP rating NEMA6/IP68  
Temperature range -4 to +158°F  
-20 to +70°F

## Electrical

Min. voltage 1.6 VDC  
Max. voltage 50 VDC  
Max. frequency 2.5 Hz  
Splitter element Dual Schottky diode

## Wiring

PS100 Register  
Red (+) Red  
Black (-) Black  
Screen

## Specific wire diagrams available by endpoint; typical:

PS100 AMR Endpoint  
Red (+) Red  
Black (-) Black  
Screen

PS100 RIDA4-20AK, SCADA etc.  
Red (+) Flowmeter input, power  
Black (-) Ground  
Screen

## Application

The Elster pulse splitter is installed to any digital register pulser, or other reed switch pulse device in order to provide two identical pulses for use in dual market (utility billing and industrial process control) applications. The primary output is typically wired to the utility AMR/AMI endpoint such as an EnergyAxis module. The secondary output is wired to process supervision and control devices, such as SCADA, Elster's RIDA4-20AK or building management systems. Splicing kits are available from Elster AMCO Water, Inc.

## Operation

The pulse splitter's electronics divide and output two identical signals to the incoming pulse. The devices connected to the outputs provide the voltage for their respective signals.



United States  
Elster AMCO Water, LLC  
10 SW 49<sup>th</sup> Avenue, Bldg. 100  
Ocala, FL 34474  
T +1 352 369 6500  
F +1 352 368 1950  
watermeters@elster.com

Canada  
Elster Canadian Meter Company Inc.  
1100 Walker's Line, Suite 101  
Burlington, Ontario L7N 2G3  
T +1 866 703 7581  
F +1 905 634 6705  
watermeters@elster.com

Caribbean  
Elster AMCO Water, Inc.  
P.O. Box 225, Carretera 112 KM 2.3  
Isabella, PR 00662  
T +1 787 872 2006  
F +1 787 872 5427  
prwatermeters@elster.com

© 2014 by Elster. All rights reserved.

The company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice. These products have been manufactured with current technology and in accordance with applicable AWWA Standards.