

4-20 mA Isolator/Duplicator

MLISO420

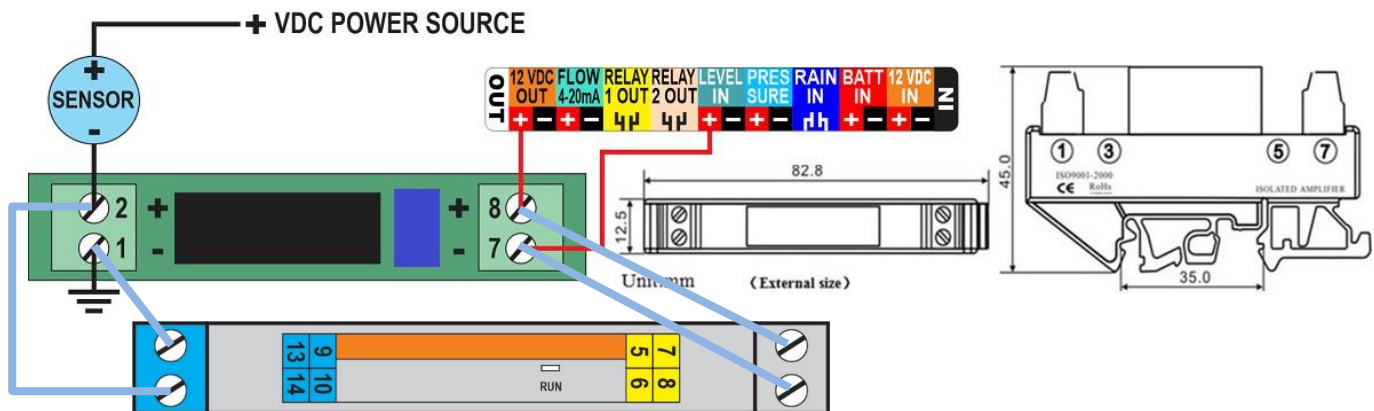
Application

- Designed to isolate a 4-20 mA signal from the instrument who reads its value, like the Volucalc RT, and duplicates the signal.
- DC current/voltage signal isolation and transmission.
- Equipment and sensor signal acquisition.
- 4-20 mA signal isolation and transfer.
- Ground-loop elimination.



Description

- Easy to use.
- No distortion in long-distance signal.
- Dimensions: 3.2 in x 1.75 in x 0.5 in (82 mm x 45 mm x 12.5 mm)
- Efficiency Grade: 0.1 / 0.2
- High precision, error and non-linearity < 0.1%
- 4-20 mA international standard current signal input and output
- 3 kV isolation between input and output.
- Temperature Range: -25°C ~ +70°C
- Operating voltage supplied by Volucalc: 15-30 VDC
- Standard DIN Rail35 package, super slim (12.5 mm).
- Multi-turn potentiometer to adjust signal output if needed.



For the new gray current isolator, in the following text, change the PIN numbers :

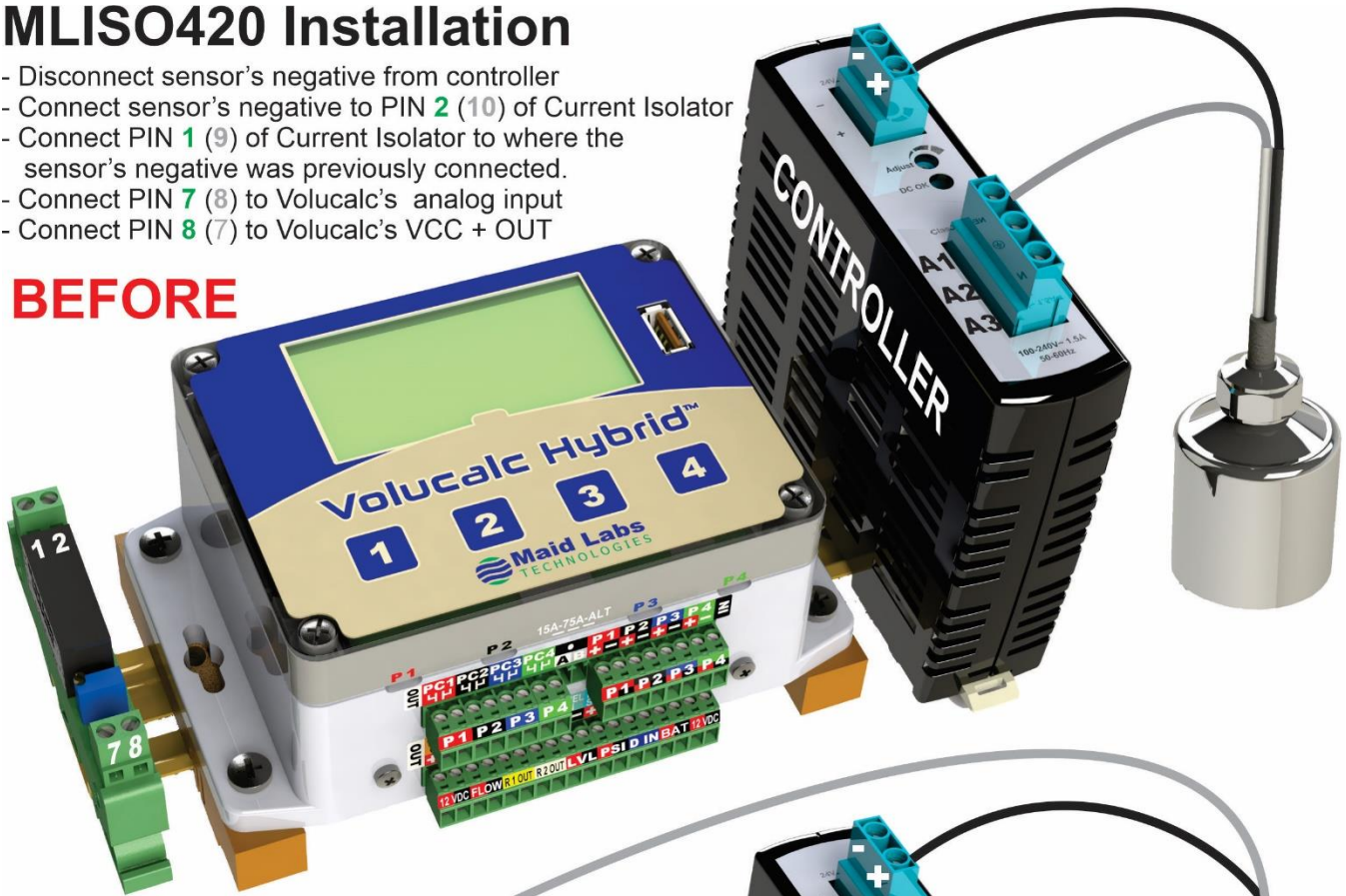
1 → 9 2 → 10 7 → 8 8 → 7

2-Wire Sensor

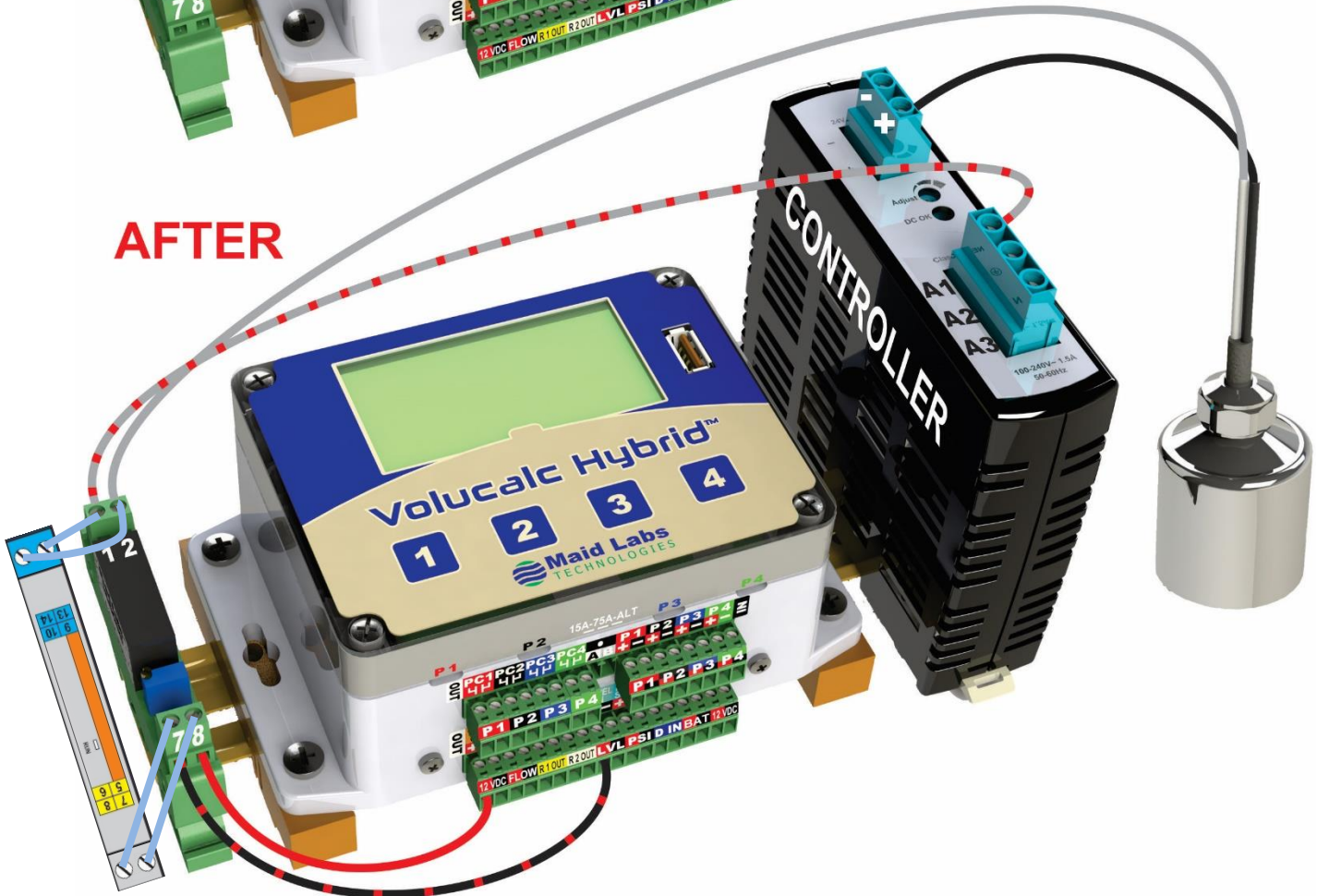
MLISO420 Installation

- Disconnect sensor's negative from controller
- Connect sensor's negative to PIN 2 (10) of Current Isolator
- Connect PIN 1 (9) of Current Isolator to where the sensor's negative was previously connected.
- Connect PIN 7 (8) to VoluCalc's analog input
- Connect PIN 8 (7) to VoluCalc's VCC + OUT

BEFORE



AFTER



3-Wire Sensor

MLISO420 Installation

- Disconnect sensor's negative from controller
- Connect sensor's negative to PIN 2 (10) of Current Isolator
- Connect PIN 1 (9) of Current Isolator to where the sensor's negative was previously connected.
- Connect PIN 7 (8) to Volucalc's analog input
- Connect PIN 8 (7) to Volucalc's VCC + OUT

BEFORE



AFTER

