

APPLICATION NOTES

Hassle free programming of Transducers with in-built display



Introduction:

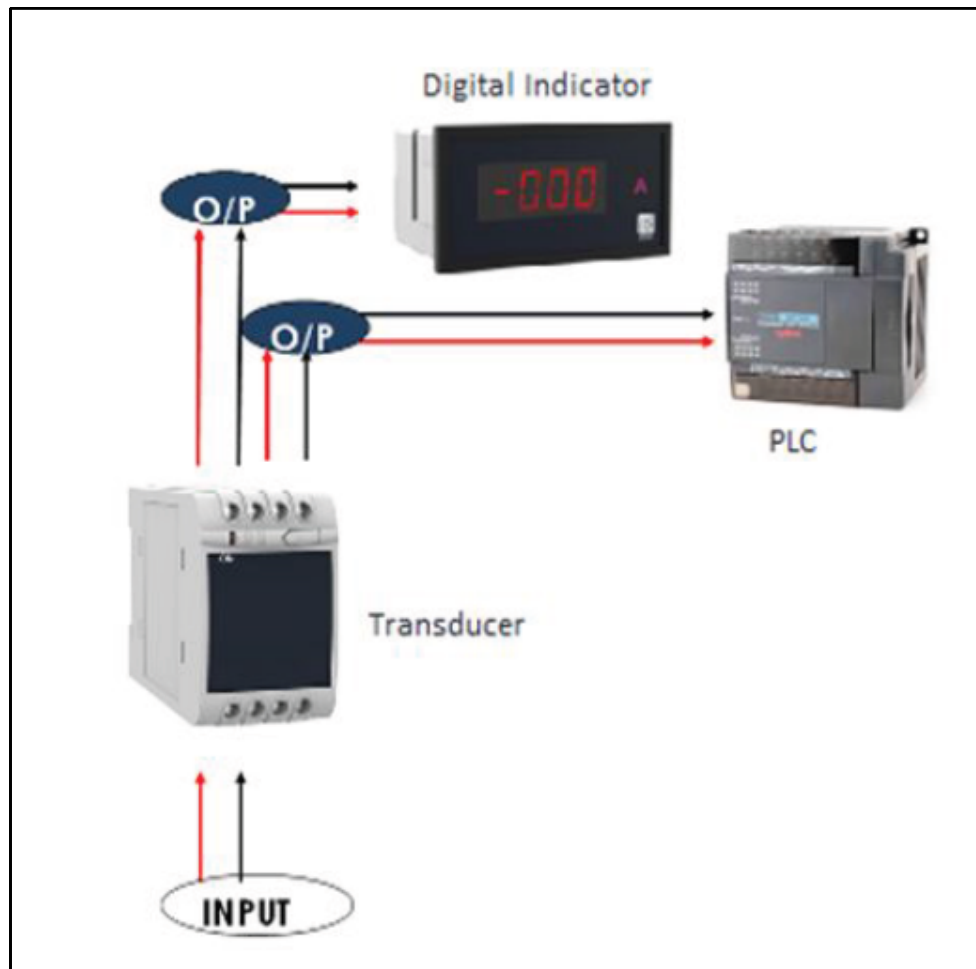
To eliminate manual data collection, modern industries are rapidly migrating toward centralized remote monitoring of electrical and process systems using DCS, PLC, or SCADA platforms. Electrical transducers play a vital role in this transition by converting high-voltage and high-current parameters into standard milliamperes or volt signals suitable for centralized control. Available in both non-programmable and programmable variants, these devices offer critical flexibility—with programmable transducers serving as the ideal solution when specific electrical parameters are not known in advance.

The Problem:

Onsite Programming of the transducers was always a challenge for the customers, there was always a dependency on the Laptop, converter and the compatible software without which the programming of the transducer was not possible. After the programming and installation of the transducer in the system monitoring real time values of the transducer was also a challenge for the customer.

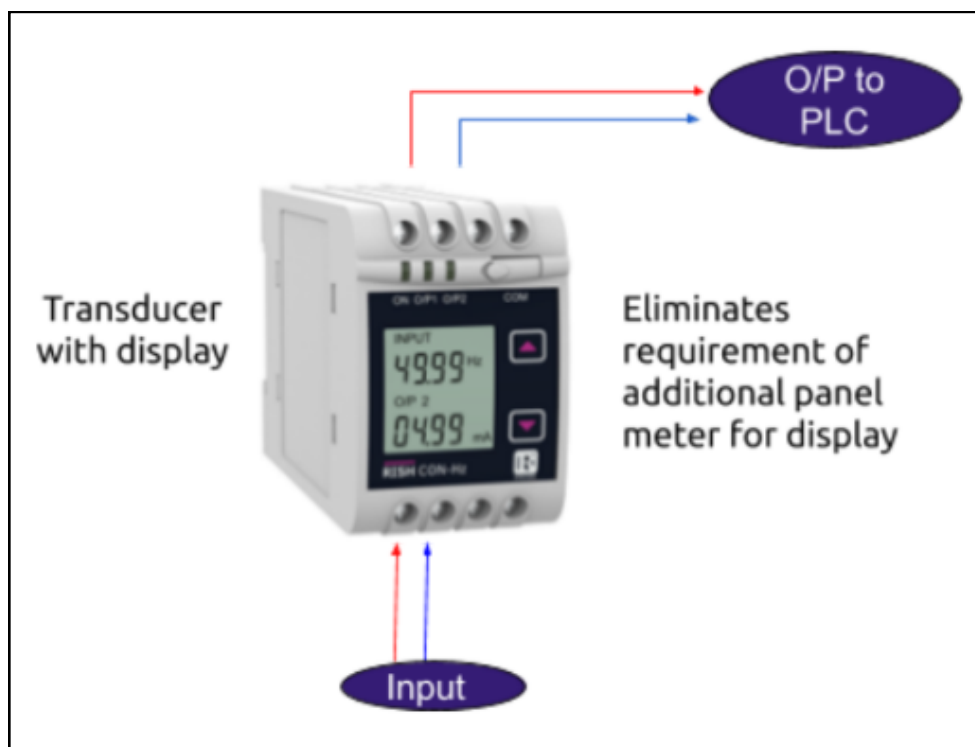
Present Scenario

The customer is investing an additional cost for the procurement of the essential modules i.e. Laptop, converters & compatible software without which the programming of the transducer is not possible. Also to monitor real time values of the transducer the customer connects one output of the transducer to the Digital Panel meter and other output to the control system for processing the signal. This arrangement makes the system more bulky and adds on work of the inventory management.



Our Solution:

- Rishabh Instruments being a pioneer in the transducer segment developed a Transducer with in-built display to overcome the challenges of the customer faced onsite.
- The in-built seven segment LCD with backlit along with the navigation keys enables the customer to program the transducer output as and when required without the use of any laptop, converter or software.
- The display indicates the input as well as the proportional output values of the connected parameter.
- The display offer Class 0.2 accuracy of the measured value which is widely accepted in the industry
- LED indication is used to monitor the output type(mili ampere/volt) of the transducer



The Benefits:

- User friendly programming setup
- Accuracy Class 0.2 display for monitoring real time values
- Cost effective and hassle free solution
- Reduces inventory management
- Optional Port available for programming through software
- RS485 port for communication

Contact:

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PROVEN BY PERFORMANCE.”**

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