

## LVDT/RVDT Interface for Networked PLCs

Terryville, CT – Advanced Micro Controls Inc. (AMCI), announces the addition of their ANR2 LVDT/RVDT Signal Conditioner to the AnyNET I/O family of PLC-based specialty I/O products. [AMCI's AnyNET LVDT/RVDT Signal Conditioner](#) integrates a network connection and expansion capabilities to provide a modern, versatile LVDT/RVDT feedback solution for any PLC-based system. The ANR2 expands up to six 2-channel modules, allowing users to interface up to 12 LVDT or RVDT sensors using a single network connection. The interface programs through the host controller's (PLC) software, and is a direct interface to 3-wire, 4-wire, 5-wire, 6-wire, & half bridge LVDT sensors, and leading RVDT sensors.

### ANR2 AnyNET I/O LVDT/RVDT Interface Features:

- Direct interface to 3-wire, 4-wire, 5-wire, 6-wire, and half bridge LVDT sensors
- Supports Differential AND Ratiometric LVDT sensors
- Direct interface to leading RVDT sensors
- Built-in network interface
- Digital technology eliminates the need for potentiometers
- Programmable Excitation Voltage, Excitation Frequency, Sensor Displacement, and Sensor Sensitivity maximizes sensor resolution, accuracy, and linearity
- Master/Slave excitation mode to prevent cross-talk
- Supports up to 12 LVDT or RVDT sensors on a single network connection
- Easy programming without additional software
- Optional GUI interface for user orientation & test bench evaluation
- DIN rail mounting for simple, standard installation



Click to view the AnyNET I/O Family video: [AnyNET I/O Family Overview](#)

### Overview

The AnyNET I/O ANR2 is a full featured 2-channel LVDT/RVDT interface that communicates with the host controller (PLC or PAC) over the network. The interface satisfies a wide range of applications because of its flexible design. It easily mounts on a standard DIN rail, simplifying installation and lowering costs.

The ANR2 is compatible with any PLC that supports the product's available networks since it's programmed using the input/output registers within the host controller. No additional software is required to use the LVDT/RVDT interface with the PLC/PAC. Users have the option of configuring & testing the ANR2 using AMCI's convenient PC-based Net Configurator software (downloaded at no charge).



### **Modular Design**

AnyNET I/O easily expands from 1 to 6 I/O modules by stacking additional units onto the “gateway”, and only requires a single network connection for all communication. This solution enables the support of up to 12 LVDT or RVDT sensors over a single network connection, which reduces physical wiring and streamlines data traffic over the network.

AMCI’s AnyNET I/O family now includes: [ANR2 LVDT/RVDT Signal Conditioner](#), [ANA2 Resolver Interface](#), [ANE2 SSI Interface](#), [ANG1 Stepper Controller/Drive](#), &. For more information on AMCI’s AnyNET I/O family, visit our website>> [www.amci.com/anynet](http://www.amci.com/anynet)

### **About Advanced Micro Controls Inc.**

Founded in 1985, Advanced Micro Controls, Inc. (AMCI) is a leading U.S. based manufacturer with a global presence. AMCI industrial control products improve PLC-based automation systems with specialized position sensing and motion control technology that simplifies automation and adds reliability to manufacturing processes. AMCI designs and manufactures all of their products, enabling superior quality and innovation. The company provides 24/7 technical support staff, ready to answer questions about installation, configuration and operation of all AMCI products.

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