DUAL CHANNEL TRANSMITTERS

9950-1
9950 Two Channel Multi-Parameter DC - Base Controller Two CH, DC



- One instrument for multiple sensor types
- Two different sensor types can be combined in one instrument
- Configurable display
- Optional Dual Channel, passive 4 to 20 mA Current Loop Module for 2 or 4 additional loop outputs
- Modbus Module for connections to Serial RS485 automation networks

PRODUCT DESCRIPTION

The transmitter is a two channel controller that supports two sensors of same or different types in one instrument. The sensor types supported by the 9950 are Signet Flow, pH/ORP, Conductivity/Resistivity, Salinity, Temperature, Pressure, Level, Dissolved Oxygen, and devices that transmit a 4 to 20 mA signal with the use of the 8058 iGo® Signal Converter. The 9950 includes advanced features such as derived functions, advanced multiple relay modes, and timer based relay functions. Derived function allows for the control of a relay or current loop with the sum, delta (difference), or ratio of two measurements, for example delta pressure and delta temperature. Multiple relay modes allow up to three signals to be used for the control of a single relay. This can be any combination of analog and binary inputs. The timer relay modes allow a relay to be activated on a repeating basis from every minute to once every 30 days. Weekday timer mode allows a relay to be energized on a specific day or days of the week at a specific time. The 3-9950.393-3 Relay Module includes the ability to interface up to four binary inputs. The binary inputs are compatible with either open collector or mechanical contacts. The binary inputs can supply power to the four inputs or accepts powered outputs from external devices. These inputs can be used with level switches, flow switches, pressure switches or other devices. The inputs can be used to directly control the relays of the 9950 or can be used in combination with the measurement readings for advanced control of your process.

The Transmitter supports the following relay modules:
• Four Channel Mechanical Relay Module
• Two Mechanical and Two Solid State Relay Module
• Two Mechanical Relays and Four Binary Inputs Module

The transmitter supports single or dual channel direct conductivity modules for conductivity, resistivity or salinity measurements. A dual channel 4 to 20 mA passive output module is available. This will allow expansion from a base of 2 current loop outputs to a maximum of 6 current loop outputs in a single transmitter. The 9950 Modbus Module allows for remote access to measurements, derived functions, state of current loop outputs and relays over a serial RS485 Modbus automation network.



