

Rugged, Reliable & Full of Features

All-in-one Display & Controller



LevelPro® — TVL Series

Liquid Level Display | Controller



Features

- ✓ Large Bright 4 Digit | 6 Digit LED Display
- ✓ Adjustable LED Display Brightness (8 levels)
- ✓ Analog Output 4-20mA with 5A Relay Options
- ✓ RS-485 (MODBUS RTU) Communication
- ✓ Signal Peak Value Detection | Dampens Noise
- ✓ Relay Status LED's
- ✓ Durable Corrosion-Free NEMA 4X Enclosure
- ✓ Sensor Power Supply 24VDC Output
- ✓ 85 – 260 VAC | 24VDC (Optional)

All-in-one Display & Controller

The TVL Series LED Level Process Display and Controller is the industry's most rugged and reliable wall-mount remote level display.

LevelPro® TVL Series comes as a complete all-in-one unit, out of the box it is ready to use. Includes a bright LED display, NEMA 4X enclosure, polycarbonate faceplate, cord grips and plastic captive screws.

The industrial design of the TVL Series ensures it will withstand the industry's most corrosive environments.

Available with either 2 Relay Outputs or 1 Relay + 4-20mA Output, the LevelPro® TVL Series is great for automating your tank level processes.

Specifications

General	
Display	LED 4 Digit 6 Digit*
Displayed Values	-999 ~ 9999
Protection Class	NEMA 4X IP67
Housing Material	Polycarbonate
Communication	RS-485 (MODBUS RTU)
Transmission Parameters	1200...115200 bit/s, 8N1 / 8N2
Input Signal Supply	
Current Input	0÷20 mA, 4÷20 mA Overload Protected
Supply Voltage	85 - 260V AC/DC 16 - 35V AC, 19 - 50V DC*
Output Signal	
Standard	2 x Relays (5A) 1 x Relay (5A) + 4-20mA
Voltage	24VDC
Passive Current Output	Range Max. 2.8 - 24mA
Performance	
Accuracy	0.1% @ 25°C One Digit
Accuracy According to IEC 60770 - Limit Point Adjustment Non-Linearity Hysteresis Repeatability	
Temperatures	
Operating Temperatures	-40 - 158°F -40 - 70°C

* Optional



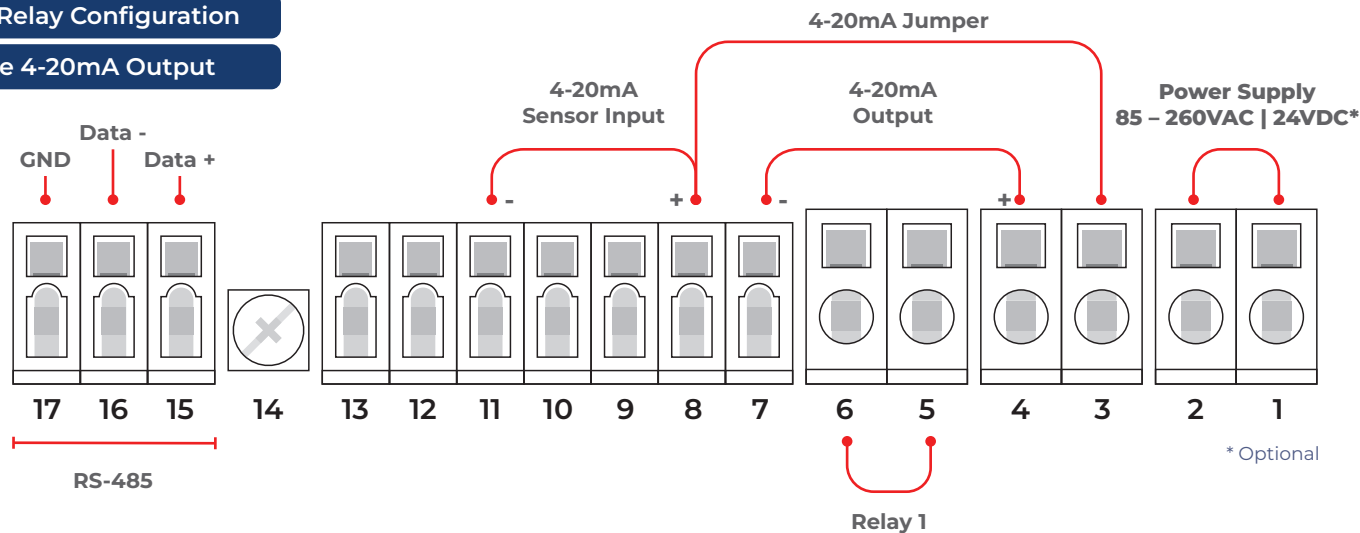
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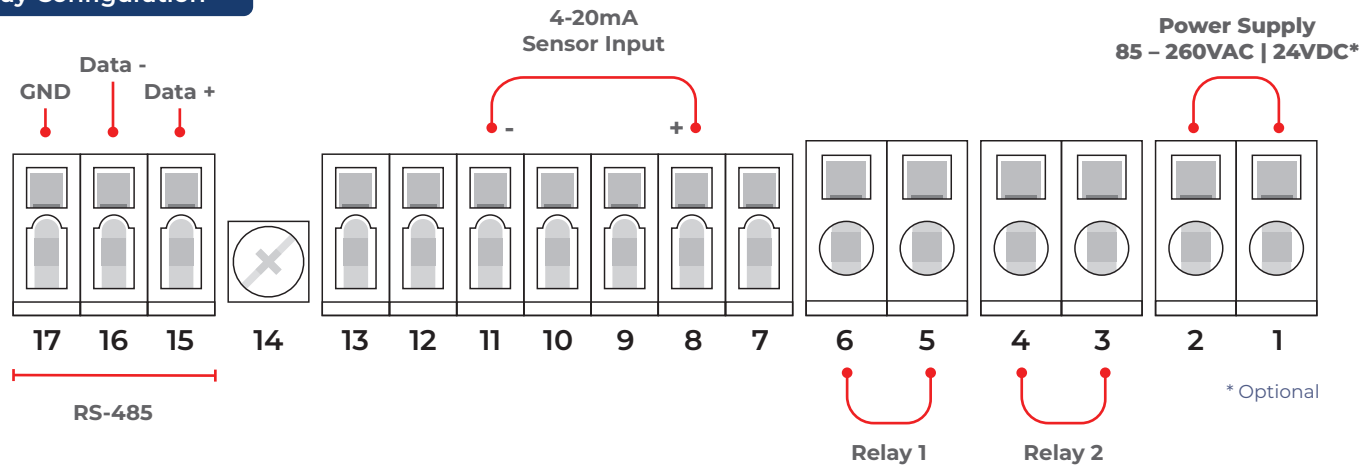
Wiring Diagram

One Relay Configuration

One 4-20mA Output



2 Relay Configuration



Model Selection

TVL — Liquid Level LED Display				
Part Number	Input	Output	Power	Display
TVL-550-1821	4-20mA	2 Relay	120VAC	4-Digit LED
TVL-550-1829	4-20mA	4-20mA +1 Relay	120VAC	4-Digit LED
TVL-550-1831	4-20mA	2 Relay	24VDC	4-Digit LED
TVL-550-1839	4-20mA	4-20mA +1 Relay	24VDC	4-Digit LED
TVL-550-1821-6	4-20mA	2 Relay	120VAC	6-Digit LED
TVL-550-1829-6	4-20mA	4-20mA +1 Relay	120VAC	6-Digit LED
TVL-550-1831-6	4-20mA	2 Relay	24VDC	6-Digit LED
TVL-550-1839-6	4-20mA	4-20mA +1 Relay	24VDC	6-Digit LED

