

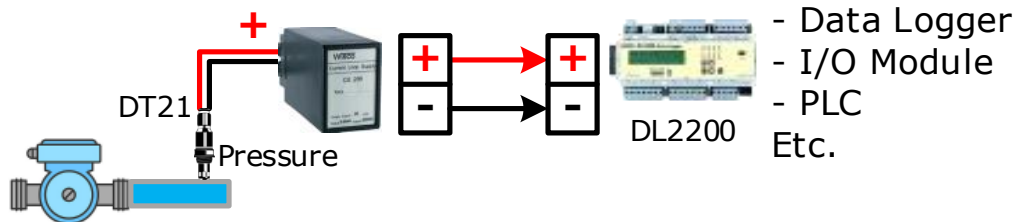
Current Loop Supply (Isolate)

CS195



- Powers 2 wire transmitter
- Intrinsically safe without barriers or safety earth
- Output 4-20mA, 1-5V, 0-10V
- DIN rail mounting

The Current Loop Supply CS195 provides a floating DC supply for energizing a 2-wire transmitter in a hazardous area, and repeats the transmitter signal in another floating circuit to drive a safe-area load. The unit is intrinsically safe for connection to Zone 0, 1 or 2 hazardous-area wiring, does not require the use of safety barriers and dispenses with the need for isolation in transmitters used with earthed or poorly insulated sensors.



Specifications

Analog Input

Number of Channel: 1 Channel

Input Type: Current

Input Range: 4 to 20 mA

Input Impedance: Max 20 Ω

Analog Output

Output Type: Current, Voltage

Output Range:

Current (4 to 20 mA)

Voltage (1 to 5 VDC, 0 to 10 VDC)

Linearity: $< \pm 0.2\%$ of span

Transmitter Power Supply:

36 mA @ 24 VDC

Isolation Voltage: 500 VAC, 1 min.

between input, output, and power supply

Power Requirements

Power Supply: 110, 220 VAC

(24, 110, 125 VDC Option)

Environmental Limits

Operating Temperature: 0 to 55 $^{\circ}\text{C}$

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 $^{\circ}\text{C}$

Physical Characteristics

Dimension: W 50 x H70 x D130 mm.

Mounting: Wall or DIN rail

Construction: plug - in

Wiring: Screw terminals on base socket

Warranty

Warranty Period: 5 Year

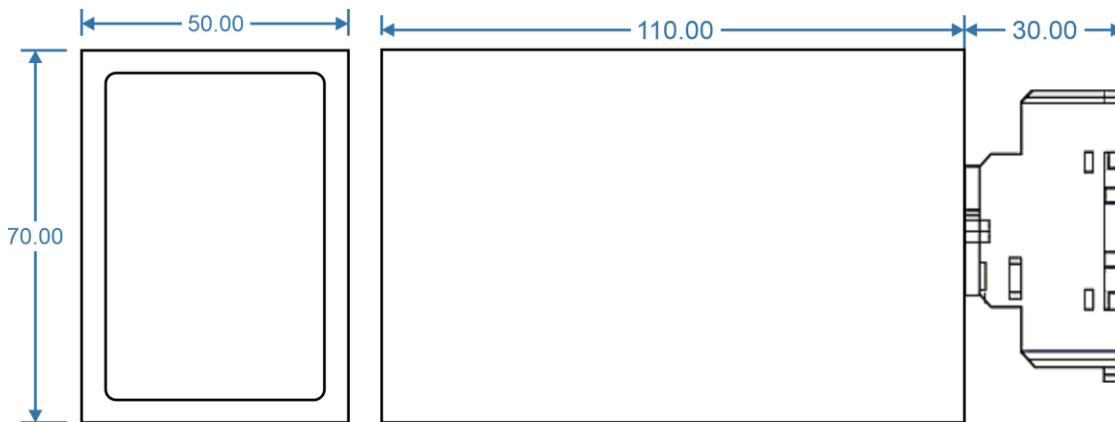
Ordering Information: Specify Output, Power supply

Example CS195/4-20 mA/220 VAC

Package Checklist

1. CS195

Dimension (Unit: mm.)



Wiring

