

CMCP797-2 Dual Channel Active Buffer Module



Features:

- Two Input / 6 Outputs
- Accepts Proximity Probes, Accelerometers and Velocity Sensors
- BNC Buffered Output Per Sensor Input
- Two Hardwired Buffered Outputs Per Sensor Input
- +, - or Dual Voltage Powered
- Onboard Constant Current Power for IEPE Sensors
- Power On LED
- Din Rail Mountable
- DC Coupled (BOV or Gap Voltage Passed to Output)
- Accepts TBUS Connections

Typical Applications

Online Monitoring System Signal Splitting, Sensor Powering, BNC Buffered Signal Access

Specifications:

Accuracy:

Input:

Output:

Power Input:

Power Consumption:

Frequency Range:

Input Impedance:

Constant Current Diode:

Output Impedance:

Dimensions:

0.1% Basic AC and DC Signals

Proximity Probes, IEPE Accelerometers and Velocity Sensors

Three (3) Active Buffered Outputs Per Channel

2 Hardwired Buffered Outputs Per Input

1 BNC Buffered Output Per Input

+/-48VDC Max (+/- 24VDC Typical)

35mA Max

0Hz to 150kHz @ -3dB

100k Ohms

4mA

<100ohms

3.86"x0.87"x4.82"

(98x22x122mm)

Environmental

Operating Temperature:

Storage Temperature:

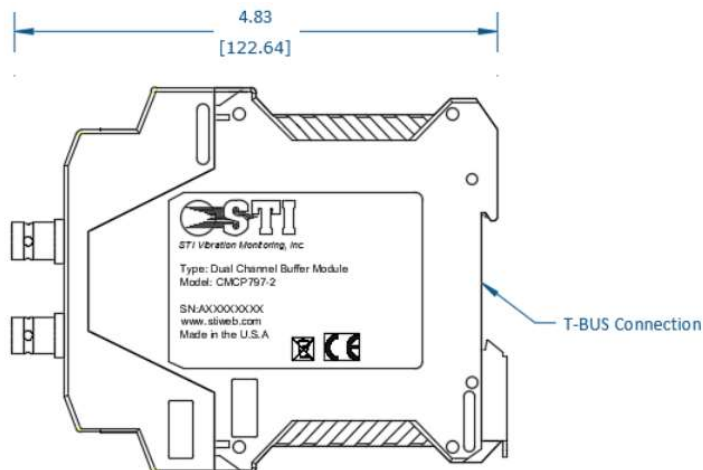
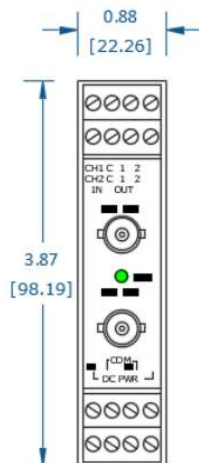
Relative Humidity:

-20°C to +80° C (-4° F to +176° F).

-55°C to +125° C (-67° F to +257° F).

0 - 95% Non-Condensing.

Dimensions:



Ordering Information:

CMCP797-2 Dual Channel Buffer Module

Accessories:

CMCP797-PWR Power Supply, 24V, 1.5A, with TBUS Connection (85-264V Input)

CMCP797-TB1 TBUS Connector for CMCP797 Buffer Module

CMCP797-TB2 TBUS Connector for CMCP797-PWR Power Supply

CMCP797-TB3 TBUS Terminal Plug

Instructions

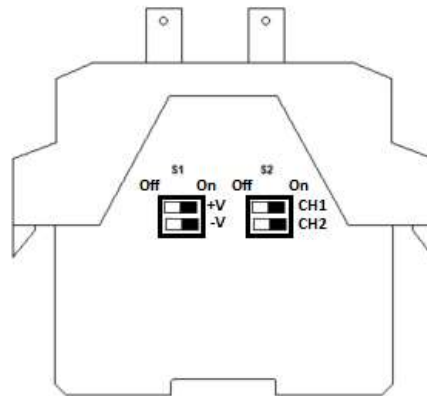
The CMCP797-2 accepts up to two inputs from either +24VDC or -24VDC powered sensors. The internal DIP switches must be placed in the proper position prior to being used.

Switch #1 (S1)

Switch #1 (S1) selects the operating voltage of the buffer module. S1 "A" controls the +V circuit and S1 "B" controls the -V circuit. For systems requiring only +V, turn S1 "A" to the right and S1 "B" to the left. For -V powered systems, turn S1 "A" to the left and S1 "B" to the right. For systems that have both + and - VDC, turn both switches to the right.

Switch #2 (S2)

The Constant Current Power Switch (S2), when in the ON position, will provide constant current power to the sensor. Constant Current Power is used when the CMCP797-2 must power an IEPE accelerometer or velocity. To turn on Constant Current Power place the switch in the ON position (to the right). S2 "A" controls Channel 1 and S2 "B" controls Channel 2. When sensor power is not required, for example when the signal input comes from a buffered output on another system or when the sensor is externally powered, S2 must be placed in the Off position (to the left).

Jumper Selection**Buffered Outputs**

The CMCP797-2 provides three (3) buffered outputs per input. For each channel, two buffered outputs are located on the screw terminal blocks and one buffered output on the front panel BNC connector.

Wiring Examples

