3 YEARS WARRANTY

Condition Monitoring Custom Products

CMCP-HR4 4-Channel High Read Module
For Monitoring up to four 4-20 mA Sensors with one Single Alarm Module

Features

- Four 4-20 mA Inputs (Source or Sink)
- Selectable High Read Output (1-5VDC)
- 1.0-5.0 VDC Output per Channel
- 250 Ohm per Channel
- Auxiliary Terminals for Second Loop Device
- Power On Green LED
- Use with one Alarm Module for 4 Channels
- Two Levels of Alarm (Alert and Danger)
- +24 VDC Powered
- Din Rail Mounted

Typical Applications

Designed as the base unit for a low-cost full-time monitoring system for up to four 4-20 mA Vibration Sensors. Monitor and view the highest Vibration reading by connecting the CMCP730D Alarm and Display Module.

Description

The CMCP-HR4 takes four 4-20 mA Inputs and either Source (supplying power) or Sink (passive). It converts the Inputs to 1.0 to 5.0 VDC Outputs with the highest available on the High Read Output. Any of the 4 Channels can be selected to output on the HR Terminal or if selector is left in the HR position the highest of the 4 will be outputted. When used with a CMCP730D Alarm and Display Module the actual engineering units can be viewed.

A low-cost on-line monitoring system can be easily put together using up to four 4-20 mA Velocity Sensors, a single CMCP-HR4, and a CMCP730D Alarm and Display Module. A second CMCP-HR4 and CMCP730D can be added for 4-20 mA Dual Parameter Sensor Temperature Outputs.

Technical Performance

Supply Voltage: +24 VDC Nominal (16 to 30 VDC), 21 mA

24 Terminals: 2 Terminals, +24 VDC In and Common

              16 Terminals, 2x for each Loop, 2x Auxiliary Outputs for PLC/DCS (x 4 Channels)

              4 Terminals for +24 VDC Power Out

              2 Terminals to CMCP730D (Signal and Common)

DIP Switch for Source (20 mA) or Sink (0.0 mA)

4-20 mA outputs to 250 Ohm resistor for 1-5.0 VDC output.

Switch HR-Position: Combined Outputs for High Read
Switch 1-4 Position: Output of Respective Individual Loop

Green LED: 'On' Indication

1010 East Main Street
League City, Texas 77573
USA

Phone: +1 (281) 334-0766
Fax: **+1 (281) 334-4255**
SalesSupport@stiweb.com

Specifications

Mounting: DIN Rail (35 mm)
Size: 2.07" Wide x 3.89" High x 3.0" Deep (52.5mm x 98,8mm x 79.2mm)
Terminals: Screw Type Terminals with Pressure Plate
Wire Size: 22-14 AWG (Smaller Wire uses Ferrules)
Weight: 0.5 Lbs. (0.227kg)
Flammability: Enclosure UL94 V-O
Material: Glass Filled Polycarbonate
Color: Light Gray, Blue Panel
Input: Up to four 4-20 mA Output Sensors
Output: High Read Signal or switch selected 4-20 mA loop

Shown above: CMCP-HR4VT Four Channel High Read Module, side view

Ordering Information

CMCP-HR4   4 Channel High Read Module

Accessories

CMCP730D
Alarm and Display Module

CMCP422VT Series
4-20 mA Sensors

CMCP420VT Series
4-20 mA Sensors

CMCP515-0625
Power-Supply

CMCP500-04-F
Fiberglass Enclosure with Window and DIN-Rail

Complete System

CMCP-HR4VT