Condition Monitoring Custom Products

CMCP500 Enclosure Series
For CMCP500 Monitors and Transmitters

Features

- Low Cost
- Choice of Enclosure Material
- For 1-12 Monitors or
  1-24 Transmitters
- Digital Display Option
- Power Option
- Transmitter Integration
- API 670 Compliant

Description
The CMCP500 is an enclosure with DIN-Rails to mount the CMCP500 series Monitor and Transmitter Modules (sold and specified separately). Combined they build a low-cost condition monitoring system. Various options allow the user to configure the system with features and the exact number of channels required for a specific application.

Enclosure Materials
Available enclosures include Fiberglass NEMA4X, Painted Steel NEMA12, Stainless Steel NEMA4X, and Cast Aluminum for explosion proof requirements. Each can be specified to hold up to 12 Monitor Modules or 24 Transmitter Modules.

Display Options
The system may be ordered without a display, with a common digital display, or with individual digital displays. A channel selector switch is provided for use with a common display. Common displays are setup to read one specific engineering unit or if multiple parameters are in use, 0-100% of full scale. Individual displays may be set up for specific engineering units or 0-100% of full scale.

Power Options
The CMCP500 system may be powered by a user supplied +24 Vdc, protected source, or from an external Vac/Vdc power supply. The CMCP515 is the recommended power supply and may be housed externally or packaged within the CMCP500 system. It is a linear regulated AC/DC supply that includes over voltage protection, barrier type connection terminals, and a user replaceable fuse.
Please refer to the CMCP515 data sheet for additional information.

Transmitters and Monitors
Transmitter and Monitor Modules are not included but are available for monitoring vibration in terms of acceleration, velocity, or displacement. Position, Temperature, and Process Input Modules are also available. Each Transmitter and Monitor Module is user specified by model number. Features include RMS, Peak, or Peak to Peak Detection, Buffered Transducer Outputs, Filters, Fault Detection, and Analog Outputs. Alarms are provided with Monitor

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Modules. Transmitter Modules do not have alarms and are usually interfaced directly to a PLC or DCS for trending and alarming. Monitor Modules provide stand-alone monitoring capability including Alert and Danger Alarms and SPDT (Single Pole Double Throw) output relay contacts. Alarm Levels and time delays may be independently adjusted.
Please refer to the specific Transmitter Module data sheet of the CMCP500 Series.

Ordering Information

CMCP500	-XX	-XX	-XX	Description
	-01 thru -04			1-4 Channels
	-05 thru -08			5-8 Channels
	-09 thru -12			9-12 Channels
Example: **CMCP500-06-SS-04** Individual Displays		-F		Fiberglass NEMA4X, Hinged Door, Quick Release Latches
		-PS		Painted Steel, NEMA12, Hinged Door, Lock
		-SS		Stainless Steel, NEMA4X, Hinged Door, Lock
		-EX		Cast Aluminum, Explosion-Proof
			-01	No Display
			-02	Internal Common Display with Selector Switch. With Enclosure Window. Maximum 12 Channel Per Switch. Must have same Parameter
			-03	Internal Independent Displays mounted in Bezel - Monitors Only. With Enclosure Window
			-04	Internal Independent Displays mounted in Bezel - Transmitters Only. With Window

Notes
1. Specify Transmitters/Monitors and Power Supply on the same order and the system will be delivered fully integrated.
2. External Displays are not available with explosion-proof enclosure.
3. +24 Vdc power must be supplied or an appropriately sized CMCP515 Power Supply must be ordered separately.

Ordering Example
To order a 4-Channel system in a Fiberglass, NEMA4X enclosure with individual displays for Monitors, behind the door window, specify part number CMCP500-04-F-03.

System Examples

CMCP500-02-F-01 with CMCP515 Power Supply & CMCP500A Monitors

CMCP500-04-SS-02 with Selector Switch