

ICON Electronics – P49LM1P024D Datasheet

PanelMount Loop Monitor (420 mA Input, 24 V DC Supply)

Description: The ICON P49LM1P024D is a 48x96 mm panelmount loop monitor with built-in 24 V DC transmitter supply, designed for precision monitoring of 420 mA process loops. It offers one relay output for alarm or control, high accuracy, and easy frontpanel configuration.

Parameter	Specification
Input Signal	020mA or 420mA (selectable)
Supply Voltage	24VDC (loop powered, 'P' variant includes internal loop supply)
Display Range	999 to 9999 (±)
Accuracy	±0.3% of full scale @25°C
Relay Output	1xRelay, SPDT, 10A@250VAC
Resolution	20µA
Panel CutOut	48mmx96mm
Display Type	4digit LED display (red, 14mm height)
Configuration	Frontpanel keys: MENU / SELECT / BACK / ENTER
Loop Power Output	24VDC nominal, max 23mA
Operating Modes	High / Low / Window alarm, adjustable hysteresis, delays
Operating Temperature	0°C to +55°C (typical)
Mounting	Panelmount with rear clips
Protection	Front IP54 (with gasket)

- Notes:**
- Ensure correct wiring polarity when connecting 24 V DC loop supply.
 - Calibration via frontpanel menu (SPAN / OFFSET).
 - 'P' suffix indicates internal 24 V DC loop supply.
 - For use in control panels, instrumentation displays, or PLC monitoring.
 - Refer to ICON documentation for environmental and safety certifications.

Manufacturer: ICON Electronics | South Africa
Reference: ICON P49 Series Loop Monitors