

Programmable Indicator for High Voltage / Current Inputs Model DPM-4006 AL



DESCRIPTION

The Model DPM-4006 AL is a 4 digit (-1999 to 9999) LED high quality indicator, specifically designed for AC/DC high voltages (600V) or AC/DC high currents (up to 5A) measurements. The input terminals are of heavy duty type, and the housing is an industry standard DIN 48x96. Options include programmable analogue output & alarm set points up to 4 alarms. The display & analog output is rangeable from the front pushbuttons.

Selected options now feature "Plug & Play" technology, allowing option boards to be ordered separately & field fitted when required.

FEATURES

- Voltage inputs up to 600V, current inputs up to 5A
- 1/8 DIN enclosure (45 x 92 cut-out), UL 94 V-0 flame retardant, 147mm depth
- Front panel IP 65 / NEMA 4 / UL Type 4 rating, bezel 48 x 96 mm
- -1999 to 9999 display counts, 14.2mm bright red LED display
- Keypad lockout available at no extra charge
- Analogue output option with programmable zero & span
- Meets European EMC directive 89/336/EEC & Low Voltage directive 73/23/EEC
- RS232 & RS485 serial interface options

OPTIONS

DPM-3001-P AL	2-setpoints (solid-state relays)	DPM-3012 AL	Peak or valley (min or max) hold
DPM-3001-M AL	2-setpoints (electro-mechanical relays)	DPM-3013 AL	RS 232 serial interface
DPM-3002 AL	RS485 serial interface	DPM-3017-P AL	3-setpoints (solid-state relays)
DPM-3003 AL	0 – 20mA / 4 – 20mA analogue output	DPM-3017-M AL	3-setpoints (electro-mechanical)
DPM-3004-P AL	1-setpoint (solid-state relay)	DPM-3018-P AL	4-setpoints (solid-state relays)
DPM-3004-M AL	1-setpoint (electro-mechanical relays)	DPM-3018-M AL	4-setpoints (electro-mechanical)
DPM-3006 AL	Isolated outputs(order with 3002/3/7/13)	DPM-3020 AL	Ultra bright red LED display
DPM-3007 AL	0 – 5V / 0 – 10V analogue output	DPM-3022 AL	Vertical bar graph display
DPM-3008 AL	12 / 24V galvanic isolated DC supply	DPM-3025 AL	Key pad lockout
DPM-3009 AL	Parallel BCD output	DPM-3026 AL	Display hold
DPM-3010 AL	95-265V AC/DC supply		

SPECIFICATIONS

Accuracy, linearity	:0.5% of F.S., ±1 count	Operating temp. range	:-10 to +50°C
Internal resolution	:40000 counts	Storage temp. range	:Peak or valley (min or max) hold
Temp. Coefficient	:20 ppm/°C typ.	Warm-up time	:None required
AC measurement	:Root mean square	Relays, electro-mech	:250VAC, 30VDC, 2A
Conversion rate	:6 per second	Relays, solid state	:400V AC/DC, 0.5A
Settling time	:1 second	Analog output accuracy	: 0.1% of F.S., 12 bits
Self test time	:1 – 3 seconds	Current output load	:500 Ω maximum
Memory retention	:Non-volatile operating	Voltage output load	:1 kΩ minimum
Option DPM-3006 AL	:1500 V isolation rating	European CE directive	:89/336/EEC, 73/23/EEC

NOTE: For additional safety when measurement high currents, interposing relays are recommended.

NOTE: Most of the above options are factory fitted. Customer / field fitted options are available as "plug & play" boards & software activated options. Contact factory for more information.

NOTE: Option DPM-3009 AL cannot be ordered with any alarm options, or with option DPM-3006 AL, or with option DPM-3022 AL.

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