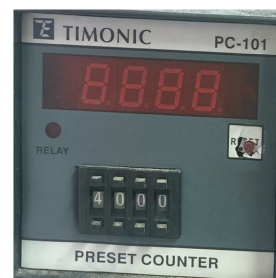


PC-101

Preset Counter

Panel-mounting preset counter with thumbwheel setting and relay output

Brand Timonic



The PC-101 is a panel-mounting preset counter with a four-digit red LED display and a four-decade thumbwheel switch for setting the preset value. Count pulses are taken on an opto-coupler isolated input, and the counter provides the supply for the pulse sensor on the same terminal block. When the count reaches the value set on the thumbwheels, the potential-free changeover relay contact operates, and a front-panel indicator shows the relay state. The count is returned to zero from a pushbutton on the front face. Units of this type are used on production machinery and test equipment where batches, machine cycles or shaft revolutions must be counted to a set value and the machine signalled or stopped.

General

Product type	Preset counter, panel mounting
Brand	Timonic
Model	PC-101

Display and Setting

Display	4-digit red seven-segment LED
Preset setting	4-decade thumbwheel switch, front mounted
Preset range	0000 to 9999
Reset	Manual pushbutton, front panel
Output indication	Front-panel LED marked RELAY

Electrical

Supply voltage	230 V AC
Count input	Opto-coupler isolated pulse input
Input connection	3-wire: + (red), – (black), PULSE (green)
Sensor supply	Provided by the counter on the input terminal block
Output	1 changeover relay contact, potential-free (NC / C / NO)

Connections

Supply and output terminals	6-way screw barrier terminal block — L, N, X, NC, C, NO
Input terminals	3-way screw barrier terminal block — +, –, PULSE

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Mechanical

Mounting	Square panel cutout, front mounting
Enclosure	Moulded plastic, black
Front bezel	Square, with recessed front panel

Typical Applications

Production and batch counting · machine-cycle counting · revolution counting on rotating-drum test equipment · length and repeat counting on converting machinery · any application where a machine must be signalled or stopped at a set count.

Connection Detail



Terminal arrangement

Upper 6-way block: mains supply on L and N, spare position X, and the volt-free changeover relay contact on NC, C and NO.

Lower 3-way block: opto-coupler isolated count input, wired + (red), – (black) and PULSE (green). The sensor is powered from this block.