



CT220P CAPACITY COUNTER – Variable Message Sign Compatible

DATA SHEET

The CT220P Counter is a microprocessor based sequential counter module designed using the most up-to-date technology in order to meet the requirements of a vast number of counting applications. The integral electronics are buffered and isolated from a possible hostile external environment using optically coupled devices on the inputs and a heavy duty switching relay on the output.



Extensive filtering on the inputs ensures immunity to induced spikes and pulses on the input lines that could otherwise cause erratic operation.

An active memory system ensures that the last count is stored during power failures of relatively long duration.

The front panel controls enable the operator to single step the counter up or down, or to rapidly arrive at a required count by setting each digit individually. The controls also allow for the output relay to be manually overridden in either the Full or Space modes. The visual output is achieved with a four digit, seven segment display that clearly indicates current modes of operation and counts. A serial port is able to be connected to the VMS sign.

Compact Size:

Micro-controller and SMD technologies have combined to create a compact but powerful unit which, as a result of its versatility, can be easily installed into existing or new stand alone installations,

Display:

The CT220P counter has a large four-digit, seven segment, LED display providing superior visibility in any lighting conditions,

Simple Programming:

All programming is executed on two multi-function pushbuttons and visual feedback is provided on the display facilitating ease of operation.

Memory:

The counter will retain count data for a guaranteed period of 1 hour following a power failure, typically the data is retained for 24 hours,

Count Capacity:

The 4 digit display provides for a total count capacity of 9999,

Manual Override:

A manual override feature allows the output to be switched to the full or open state regardless of the actual count,

Applications

- Carpark capacity counting
- Floor space counting and ramp metering
- Vehicle counting
- Industrial applications.

Mechanical detail:

Material: High heat ABS blend. Dimensions: 44mmHx66mmWx104mmD

Mounting: Panel Mount with 10 pin plug-in screw terminal and 10 way D-type serial port

TECHNICAL DATA - CT200

Operating 12 - 24V AC/DC (CT224) voltage: 230V AC $\pm 15\%$ (48 to 60Hz)

Operating temperature -40°C to $+65^{\circ}\text{C}$. Output relay: 5A@230V AC

Display: Four digit, seven segment LED. Character height = 10mm.

Maximum count: 9999. Controls: Two pushbuttons. Mode and Set functions operate after 1sec press. Reset and Restore functions operate after 3 sec press. Memory: Retains last data prior to a power failure. Relay has manual override. Input Optical Isolation Protection 2500VRMS Isolation Voltage. Spike Filter On all inputs.



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