

# DIFFERENTIAL COUNTER DC-1100

## Product Specification



Differential counter used for keeping a running total of the number of parking spaces available in a facility or area within a facility. When the number of free spaces is zero, the DC-1100 can turn on FULL signs and disable entrance equipment. Traffic can be counted at up to 4 entrances and 4 exits. The unit comes equipped with an LED display to show the number of free spaces. The unit is DIN rail mountable and can be mounted inside a gate, ticket machine, or in a separate enclosure.

### A. OPERATION

The counter shall be a solid state device with a 3 digit LED display. The counter shall be a self-contained module, DIN rail mountable, suitable for mounting inside a gate, ticket machine or other equipment. Manual add and subtract buttons shall be provided for setting the correct number of spaces. The LED display will show the number of available spaces. When the number of spaces is reduced to 0, the counter shall close a normally open output. The output of the counter shall be capable of disabling entrance equipment preventing any further vehicles from entering the facility as well as switching a full sign on and off. When space again becomes available, the LED will show the number of spaces and the output contacts will open.

The counter shall provide inputs for counting at up to 8 lanes of traffic. (4 entrance and 4 exit) All wiring shall be made on easily accessible screw terminals.

### B. TECHNICAL DATA

Counting Speed	each input sampled 20 times per second
Inputs	inputs for counting at 4 entrances and 4 exits
Power	Input power: 110-220VAC, 50/60 Hz, 200mA

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Output Contacts	2 form C contacts rated 8A at 115VAC
Size	3" H X 4" W X 4 1/2" D, DIN rail mountable inside other equipment (separate weather proof enclosure optional)
Environmental	-5 deg F to 160 deg F (-20 deg C to 70 deg C)

### Typical configuration:

