

NCT100 Standalone Four-Channel Counting Module

Product Description

The NCT100 is a standalone four-channel counting module that can be easily mounted in roadside cabinets, turnstiles, etc.. The compact unit operates autonomously to provide up to 4 individual counters.

One or more Variable Message Signs can be associated with each of the counters to provide information of space availability to staff and visitors. Up to two alarm outputs can be associated with each counter to indicate that the count has reached a predetermined value. The outputs can be used to operate Space/Full signs, traffic lights or other external indicators as necessary.



Features

- ▶ Provides up to 4 individual counters for recording the number vehicles or personnel entering or leaving a controlled area
- ▶ Each counter can count record values between -32500 and +32500
- ▶ Both increment and decrement inputs (up to 4 of each, depending upon configuration)
- ▶ Each counter can be individually configured to count up or down
- ▶ Alarm and Pre-alarm outputs when counts reach preset thresholds
- ▶ Drives up to four individual Variable Message Sign count values
- ▶ Can be programmed directly using a full numeric keypad and 2-line x 16-character LCD
- ▶ Each counter can be reset to a predetermined value via a general reset input
- ▶ A time can be set when all counters will be reset to their predetermined values each day

Specifications

Electrical

Supply voltage: 12 - 24V DC
 Current reqt.: 100 mA quiescent, up to 230mA while all alarms are active

Physical

Display: 2 lines x 16 character LCD
 Keypad: 12 button membrane. Keys 0 to 9 plus 'Program' and 'Enter'
 Dimensions (mm): 190 x 130 x 43 (H x W x D)
 Cable termination: Plug-in screw terminal blocks

Environmental

Operating temp: 0°C to 40°C
 Storage temp: -20°C to 70°C
 Relative humidity: 95% non-condensing

Capacity

Counting capacity: 4 counters, each counting up to 32500

Inputs

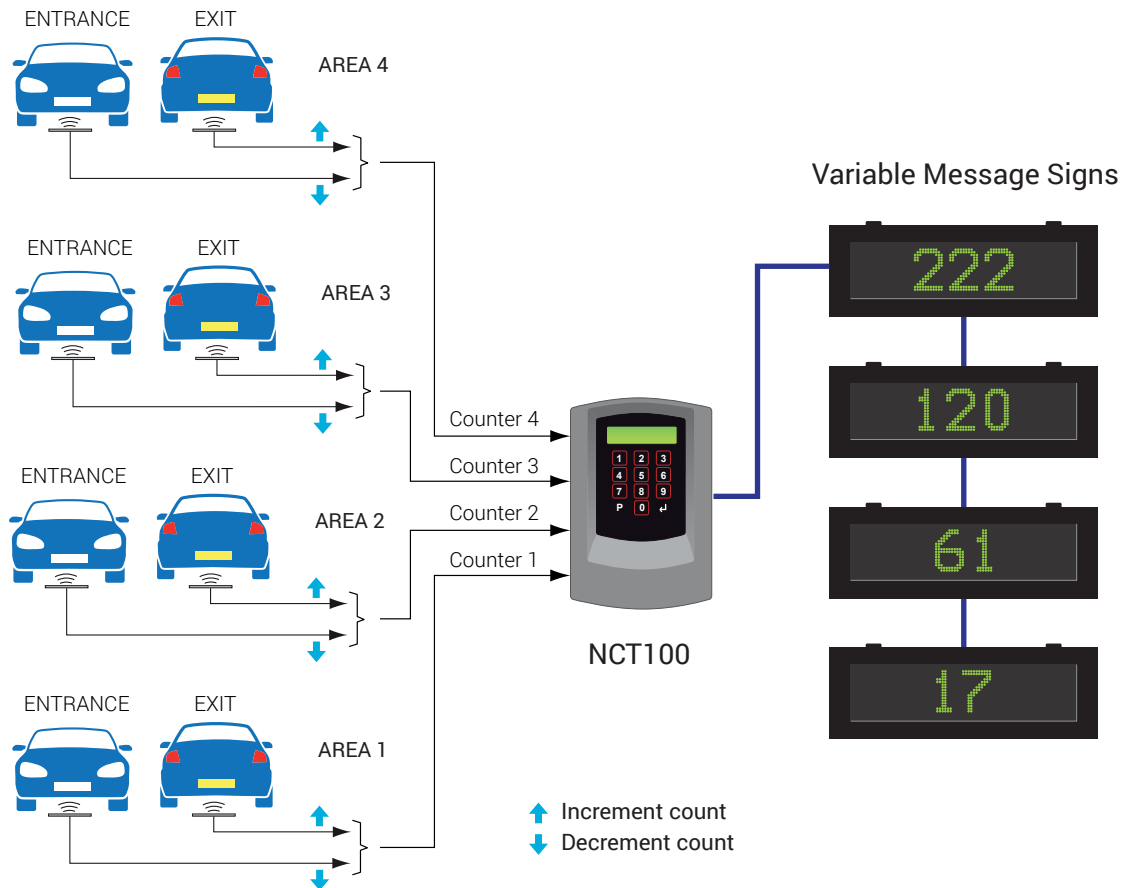
Count inputs: 4 counter increment inputs and 4 counter decrement inputs (clean contact pulse)
 Master count reset: Single input to set all counters to their reset value (clean contact pulse)

Outputs

Alarm outputs: 2 independent voltage free changeover relays (2A, 30V DC) plus 2 open collector outputs
 Pre-alarm outputs: 4 open collector outputs.
 Message signs: RS485 communications port supporting 4 node addresses (4 individual count values)

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Example Standalone Parking Application



Ordering Information

NCT100 Standalone 4 Channel Counter with VMS control bus. Capable of driving up to 4 individually addressable VMS.

Compatible Products

VMS-RGB-10A-STD High Intensity RGB LED sign with 10cm high characters, capable of displaying count values and status messages. Fitted with rear mounting strips for post mounting.

VMS-RGB-10A-T1 Multi-level sign housing with one high Intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting.

VMS-RGB-10A-T2 Multi-level sign housing with two high Intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting.

VMS-RGB-10A-T3 Multi-level sign housing with three high Intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting.

VMS-RGB-10A-T4 Multi-level sign housing with four high Intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting.

VMS-RGB-10A-T5 Multi-level sign housing with five high Intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting.