

## Model C-1201A & C-1203A

### (Changes From: Model C-1201 & C-1203)

The Models C-1201A and C-1203A detectors provide two outputs per channel. The first output is normal vehicle detection. The second output provides pulses, one per vehicle. Channel 1 provides vehicle counts on channel 3 output (pin S). Channel 2 provides vehicle counts on channel 4 output (pin Y). The TS 2 status outputs for channel 3 (pin 16) and channel 4 (pin 22) are electrically connected to D.C. common (pin A). These connections are required when the status outputs are monitored by a NEMA TS 2 controller.

NEMA TS 2 card racks are wired to accept either 2 or 4 channel detectors. Refer to the figure below. The channel 1 status (pin 7) of Detector Slot 1 is wired to channel 3 status (pin 16) of Detector Slot 2. The channel 2 status (pin 20) of Detector Slot 1 is wired to channel 4 status (pin 22) of Detector Slot 2. When using the Models C-1201 and C-1203 detectors an additional PCB is required. The additional PCB plugs into Detector Slot 1 and connects the TS 2 status outputs for channel 1 (pin 7) and channel 2 (pin 20) to D.C. common (pin A). This electrical connection is now included on the Models C-1201A and C-1203A detectors; thus eliminating the need for the additional PCB.

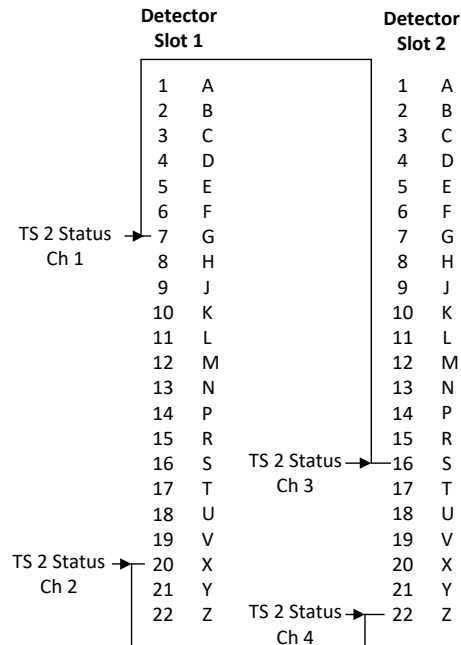
#### Notes:

When using a 4 channel detector, the detector is installed in Detector Slot 2.

When using either a C-1201A or C-1203A count detector, the count detector is installed in Detector Slot 2.

When using either a C-1201 or C-1203 count detector, the detector is installed in Detector Slot 2. A separate card must be installed in Detector Slot 1. The additional card grounds the TS 2 Status Outputs. These connections are required when the status outputs are monitored by a NEMA TS 2 controller.

The connection between Detector Slot 1 (pin 7) and Detector Slot 2 (pin 16) and Detector Slot 1 (pin 20) and Detector Slot 2 (pin 22) are part of the card rack back plane.



Front view of a pair of detector connectors

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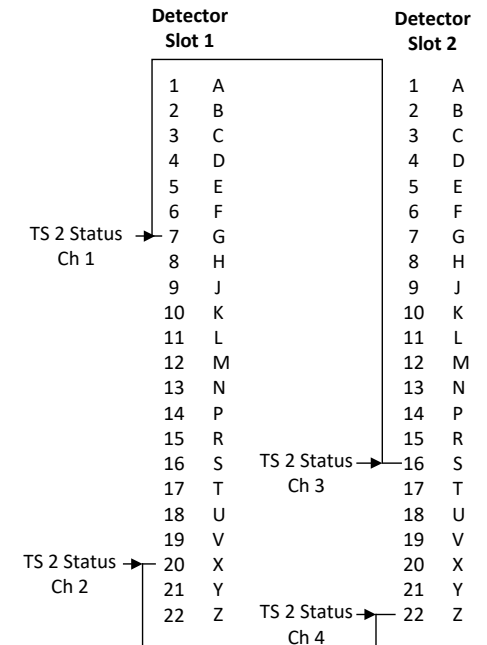
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