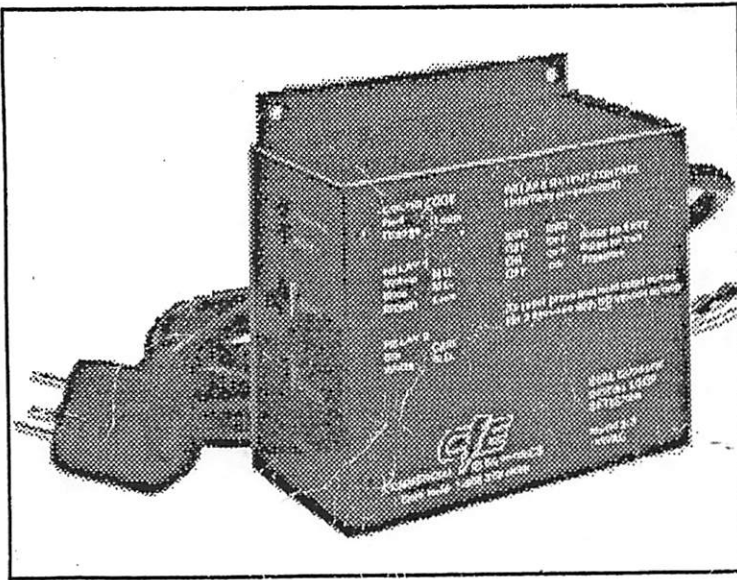


The 317 Single Channel Loop Detector



The 317 is a single channel inductive loop vehicle detector designed for use in the drive-thru market to provide vehicle presence information required by all wireless -- hard wire audio and speed of service equipment. Although compact and lightweight, the 317 is designed to operate in the most demanding high volume drive thru installations in all environmental conditions.

The 317 is a full performance detector that does not sacrifice features for the evolutionary reduction of size. Two outputs are available. One to provide the presence of a vehicle over the loop, the second is switch selectable to provide pulse on entry of the loop, pulse on exiting the loop, a second presence output or a loop fault output. Easy to use front panel slide switches provide positive identification of frequency and sensitivity settings.

- Small size 3.5"H x 4.5"L x 2."W
- Failsafe or failsecure outputs
- Increased sensitivity, selectable
- Piggy back AC power cord
- Easy to use controls
- Second relay output mode selectable
 - Pulse on entry, pulse on exit
 - Second presence output
 - Loop fault output
- Automatic sensitivity boost
- Current and historical loop fault indicators
- Compatible with existing equipment
- Automatic tuning
- Consistent presence time
- Selectable two second time delay
- Two isolated outputs
- Made in the USA

Specifications

Inductance Range: 18 to 1800 microhenries. Automatically tuned

Frequency Range: 10 to 97 KHz

Temperature Range: -40°C to +80°C

Outputs: Presence and Relay 2 are change over relay contacts rated at 250VAC, 5A, 150W/600VA max.

Lightning and Transient Protection: Zener diode protection from over voltage induced on loop and feeder leads. Flash over protection from loop to earth. Protection exceeds NEMA specifications.

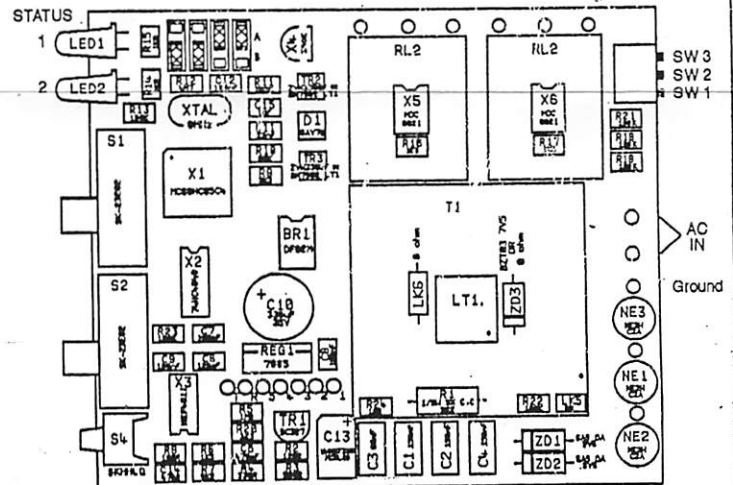
Supply Power: 120VAC available. VA Rating 1.2VA

Relay 2 Output: Relay 2 Output Control Switch
(Internally programmed)

SW3	SW2	=	Pulse on Entering the loop,
OFF	OFF		125mS ±25mS
ON	OFF	=	Pulse on Leaving the loop,
			125mS ±25mS
OFF	ON	=	Second Presence Output
ON	ON	=	Loop Fault Output

Delay Option: **SW1**
(Internally programmed)

ON	=	Two second delay
OFF	=	No delay



Reset: The Reset button must be depressed for three seconds for automatic retune. If depressed for less than three seconds, it will show loop faults as described below.

Loop Fault Indications: If the 317 sees a loop fault (open loop, shorted loop or greater than a 25% inductance change), the Presence LED will flash at a 16Hz rate. If the fault condition corrects itself, the Presence LED and detector will resume normal operation. This historic fault can be displayed by depressing the Reset button. The Presence LED will flash at 16Hz rate to indicate a fault has occurred. When the reset button is released, the detector will resume normal operation within three seconds.

Connections:

Loop	Red - Orange		
Relay 1	Relay 2		
N.O.	Yellow	Com.	Black
N.C.	Blue	N.O.	White
Com.	Brown		

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