

**SERIES 8500  
INTEGRATED PERSONNEL & VEHICLE ENTRY CONTROL**



**ENTRY CONTROL ELEMENT 16**

Entry Control Element 16 is an anti-tailgating detector ensuring that a vehicle does not tailgate. This Element creates an invisible infrared screen with two IR sensors that detect vehicles passing through the gate. In combination with Gate Sequence Programming any vehicle attempting to tailgate will be detected and alarm on the Access Control Alarm Monitoring Station.

## Element Pole

**Dimensions:**

5" Sq. x 54"H

**Weight:**

24.4 Lbs.

**Material:**

Aluminum 6063-T6 T-Slot extruded pole

**Finish:**

Clear anodized.

**Input Voltage:**

110 – 137V AC, 47 – 420 HZ

**Regulated Power:**

28V DC @ 2 amp

## Element Pole

**Alarm Out:**

Dry Contact Form C Relay

**Tamper Out:**

Dry Contact Form C Relay

## IR Sensor

**Dimensions:**

4.34"x4.54"x22.5"

**Weight:**

24.4 Lbs.

**Material:**

Cast Aluminum

**Finish:**

Chromated & Clear Coated

**Input Voltage:**

24-32V DC @ 65mA±

**Temperature:**

-40° to +70° C

## IR Sensor

**Transmitter Pulse Diameter:**

3.54 "

**Lens Diameter:**

3.4"

**Pulse Power:**

200 mwatts

**Alarm Delay:**

20-120 msec

**Alarm Time:**

2 Sec Min or as long as Transmitter pulse beam is broken.

## IR Sensor

**Emitter Wave-Length:**

930 Nanometers

**Transmitter Divergence:**

15 mrads

**Receiver Divergence:**

7.5 mrads

**Transmitter Synchronization:**

Internal or External

**Pulse Frequency:**

1200 Hz

**Pulse Time:**

.6µs

## IR Sensor

**Effective Range:****FOG Free Areas:**

Up to 1,000 Ft

**Average FOG Conditions:**

Up to 300 Ft

**MTBF:**

>50,000 Hours

**MTTR:**

15 Minutes

**Contact:**

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