

COBRA-2

Continuous Line Single Point Vehicle Crossing Detector with Output Relay

COBRA-2 vehicle crossing detector can be used in different civil and military applications for vehicle traffic detection and area surveillance. It is buried into the ground, as a line or loop, near or around the area of interest and designed to detect and measure traffic presence, volume and occupancy on the road or at an entrance to an area or building, and allows to take the necessary action. The detector does not react to nearby humans or animals.

COBRA-2 has a relay, FET or current loop output that can be used to trigger a pre-determined action to approaching or departing vehicles, such as set off a light or sound signal, open or close gates or doors, switch traffic and street lights on and off, etc.

If equipped with an additional module, COBRA-2 vehicle detector can send SMS notifications to up to 4 different users, alerting them of the location where a sensor was activated.

COBRA-2 is rated IP67 under the international IEC 60529 standard.

COBRA-2 Features and Benefits

- Can be placed in a long line or loop near or around a monitored area
- Counts crossing vehicles
- Output relay, FET or current loop to trigger an action upon a crossing vehicle
- Optional module for SMS for up to 4 people
- Does not react to nearby humans or animals

Parameter	Units	Value
Sensor type		6 – 200 m loop
Detected vehicle weight	t	0.8
Detected vehicle minimum speed	km/h	10
Output	Relay	NC and NO contacts (SPDT) 2 A, 30 VDC; 0.4 A, 125 VAC Max. switched voltage 250 VAC, 220 VDC Max. switched current 3 A and power 50 VA
	FET	2 pcs. of Open Drain FETs, independently programmable, 24 VDC, 1.6 A
	Current loop	Based on supply current change Needs current monitoring unit at the cable receiver
Supply	Internal	3.6 V Li-battery LiSOC12 type LS14500 (2250 mAh) AA
	External	3 - 24 VDC, 100 mA, separately or from Electronic Access Control System
Continuous operating time		With 3.6 V Li-battery at idle up to 4 years
Operating temperature	°C	-40 to +60
Protection level		IP67