

Track 100 & 200

TRACK 100 / 200 are compact vehicle identification systems designed for the control and priority of vehicles. TRACK 100 is a single code system whilst TRACK 200 has four possible codes on both the transmitter and receiver modules. Each Track 100 & Track 200 system consists of a rugged transponder fitted under the cab of the vehicle, and a versatile receiver utilising loop induction technology. This system allows for positive response to vehicles fitted with the transmitter device as unequipped vehicles are ignored by the receiver.

The TRACK 100 / 200 may be used to automatically open a barrier or gate or allow priority in a traffic control system while the multiple code transmitter will initiate a different response for each class of vehicle, depending on the code selected. This code may be permanently enabled or driver-selectable.

APPLICATIONS

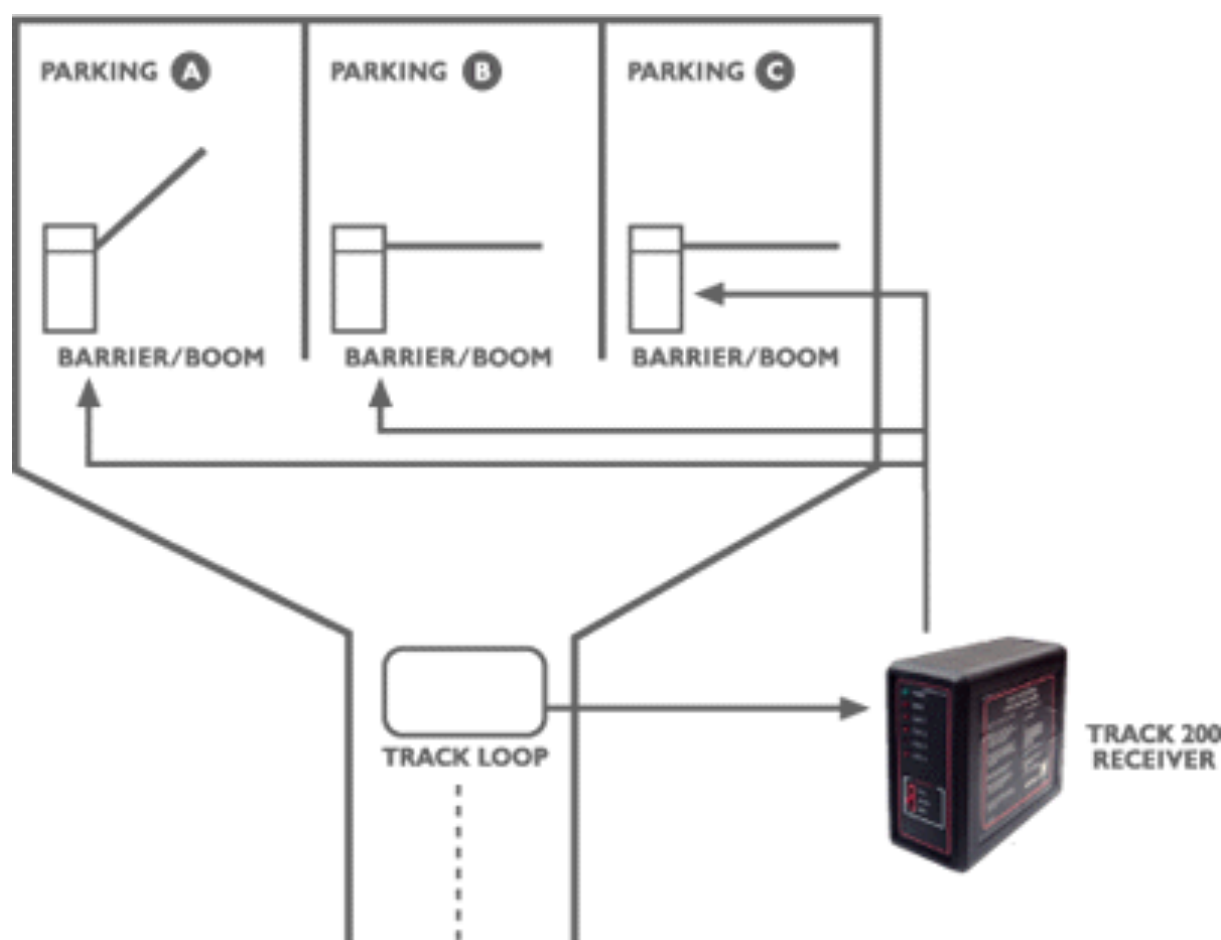
- Traffic priority systems
- Selective zone control
- Industrial automation

FEATURES

- **Reliability:** Track has been designed for use in industrial applications without any performance irregularities proving its reliability in all conditions.
- **All Vehicles:** Track is suitable for all sizes of vehicles, including heavy articulated vehicles with higher than normal road clearance, and the receiver reads the transmitter at a maximum height of 1,2m above the loop.
- **Rugged:** Track transmitters are housed in small, rugged water-resistant units, designed for easy attachment to vehicles and for application in the harshest environments.
- **Loop Detectors:** Track operates with a wide range of conventional detector loops and does not necessitate the laying of specialised loops.

Track 200 Application

Depending on the code transmitted by the vehicle's transponder, the Track 200 receiver will activate the opening mechanism of a specific barrier. Thus if the vehicle is classified as a delivery truck, the barrier to receiving is opened. If the vehicle is classified as a management car, the barrier to the executive lot is activated. If the vehicle is classified as a standard employee car, the barrier to the car park is activated. This provides a simple and effective zoning of a restricted site.



Track 100 & 200 Technical Data

TRANSMITTERS

TRACK 100

TRACK 200

Carrier frequency setting:	133 kHz Long-term stability	133 kHz Long-term stability
No of output codes:	1	4
Method code selection:	None	external wire combinations
Power requirements:	11 – 40 V DC @ 10mA	11 – 40 V DC @ 10mA
Storage temperature:	–40°C – +80°C	–40°C – +80°C
Operating temperature:	–10°C – +70°C	–10°C – +70°C
Size:	Cone shaped – base 85mm diam, height 87 mm	Cone shaped – base 85mm diam, height 87 mm
Mounting method:	Bolt at cone apex	Bolt at cone apex
Mounting position:	Under vehicle to max 0.8m above ground	Under vehicle to max 0.8m above ground

RECEIVERS

Switch functions:	1 sensitivity Switch – 3 step	1 sensitivity Switch – 3 step
Receiver frequency:	133 kHz	133 kHz
Lighting protection:	Internal, Input transformer coupled and diode clamped	Internal, Input transformer coupled and diode clamped
Adjustments to loops:	Automatic	Automatic
Loop tuning range:	10µH – 1000µH	10µH– 1000µH
Loop feeder length:	Max 300 m	Max 300 m
Output interface:	Single N/O contact, plus common	Single N/O contact, plus common
Relay contact rating:	6A 220V AC	6A 220V AC
Output method:	Presence. Relay remains energised for duration of transmitter prox to loop. Does not time out. 1 sec extension timer provided to prevent spurious outputs as transmitter traverses null points in road inductive loop.	Presence. Relay remains energised for duration of transmitter prox to loop. Does not time out. 1 sec extension timer provided to prevent spurious outputs as transmitter traverses null points in road inductive loop.
Power requirements:	Mains 220V/ 110V AC	Mains 220V/ 110V AC
Frequency:	48 – 65 Hz	48 – 65 Hz
Storage temperature:	–40°C – + 80°C	–40°C – + 80°C
Operating temperature:	–10°C – + 70°C	–10°C – + 70°C
Humidity:	0 – 95% non-condensing	0 – 95% non-condensing
Mounting:	Free standing	Free standing
Connector:	11 pin sub-magnal. VDE power plug	11 pin sub-magnal. VDE power plug
Size:	113mm (H) x 56mm (W) x 131mm (L)	113mm (H) x 56mm (W) x 131mm (L)
Material:	ABS – Black	ABS – Black