

## SPEED GATE SYSTEM



**KIT MACHINE LOCATION**

11240



**KIT SPEED GATE - A**

15640



**KIT SPEED GATE - B**

15641

### Purpose & Benefits

The Muirhead® Speed Gate system is designed to enable speed-limited zones within a machine's work area. The system can detect these zones and trigger a speed limiter device according to the corresponding zone that it crosses into.

The zones are easily configured by installing the appropriate hardware at the transition point of the zone. The transition point can be a doorway, access point or work area. A location tag is mounted on the machine, which communicates with the machine's speed-limiting device so that it can limit the machine's speed appropriately.

The main benefit of this system is not relying on a GPS signal in order to provide location-based speed control. The system can be used where GPS coverage is unreliable or entirely unusable, such as inside buildings, underground mining and areas where there is large metal infrastructure.

### Equipment Type

The Speed gate system is entirely agnostic of the machine, the only limiting factor would be system voltage (8-32 V).

### Target Customer

All customers looking for any location based control/ warning.

### Functionality

The Muirhead® Speed Gate system comprises two hardware components;

1. **Tags** – A *tag* is mounted on each vehicle.
2. **Speed gates** – A *speed gate* consists of two *anchors*, mounted at the zone transition points.

**In order to provide speed limiting the system will require a Muirhead® Speed Limiting system (or similar) to be installed on the machine.** The tag does not control the speed of the machine but simply provides a trigger to the speed limiter, which controls the maximum speed allowed in a given zone.

The Speed gates talk to the machine location tags as they pass within range. When the machine passes the threshold, the tag will change the zone output to match the corresponding speed gate. With 4 zone outputs the system can provide up to 4 separate speeds across a single site (only a Muirhead® Speed Limiter can achieve 4 separate speed set-points).

### Variations

This system was originally designed to provide a location-based speed control for areas where GPS was unsuitable, however at its core the system could be used for any location-based control, e.g. locking out implements within a specific area, turning on warning lights when travelling through high traffic areas etc.

### Key Features

- ▶ Multiple speed zones possible
- ▶ No GPS signal required
- ▶ Operating voltage for all devices – 8 to 32 V DC
- ▶ Multi-region power adaptor supply voltage 90 to 264 V AC, 50-60 Hz
- ▶ High visibility enclosure
- ▶ Environmentally sealed – IP65
- ▶ Tag output – 200 mA at 12 V
- ▶ Onboard radio globally compliant

#### ADDITIONAL DOCUMENTS

PRODUCT ONLINE



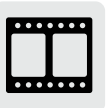
CUSTOMER DATASHEET

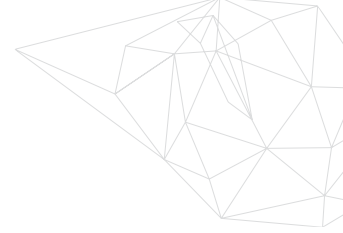


MANUAL



RELATED VIDEOS





# PRODUCT OUTLINE SHEET

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### Parts List

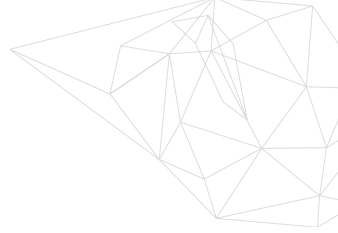
PART #	DESCRIPTION
15572	ANCHOR (SPEED GATE) ZONE-1 GATE-A
15574	ANCHOR (SPEED GATE) ZONE-1 GATE-B
15573	ANCHOR (SPEED GATE) ZONE-2 GATE-A
15575	ANCHOR (SPEED GATE) ZONE-2 GATE-B
15570	CONTROLLER MACHINE LOCATION TAG - SPEED GATES
11240	KIT MACHINE LOCATION SPEED CONTROL TAG - GENERIC
15640	KIT SPEED GATE - A ZONES 1&2
15641	KIT SPEED GATE - B ZONES 1&2
15732	KIT SPEED GATE BOOM ASSEMBLY
15656	LOOM MACHINE LOCATION TAG TO SUIT MUIRHEAD SPEED LIMITER
15751	MLT ROOF MOUNT GENERIC SANDWICH PLATE
11253	SPEED GATE BOOM
15661	SPEED GATE LOOM

### Additional Documents

Item	Description	Document Number/Title
1	Datasheet	<a href="#">RCT-SBMH1119125EN-speed-gates</a>
2	Product Manual	<a href="#">M1206</a>
3	Industrial Sales Booklet	<a href="#">MH_Speed-Gates_SBBK0321014_EN_V1_LR</a>
4	Industrial Video	<a href="#">RCT-SBMH1119125EN-speed-gates</a>
5	Site Evaluation Checklist	<a href="#">F0409</a>

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### Related Images

