

RAISED TRAY WARNING



RAISE TRAY WARNING CONTROLLER
12729

Purpose & Benefits

The Muirhead® Raised Tray Warning system alerts the operator that the tray is in the raised position. When the tray is raised the warning LED and audible alarm activates. If the tray is raised and the machine is in neutral the audible alarm is silenced. When the machine is taken out of neutral the audible alarm reactivates. This ensures the operator is warned of a raised tray before moving the vehicle.

Equipment Type

All heavy mobile equipment that requires an audible and visual indication warning systems for tray raised while a machine is operational.

Target Customer

All operators of heavy mobile equipment concerned with machine and infrastructure damage due to operation of equipment while tray is raised. Machines such as surface/underground haul and dump trucks.

Functionality

The raised tray position is sensed via a proximity switch, which is fitted inside the chassis rails of the machine to detect raised position. An optional proximity switch can be supplied if required.

There are three modes of operation. Modes are selectable through the programmable configuration utility.

SPEED SENSE (DEFAULT)

When the tray is in the raised position the raised tray warning LED will be ON. If the tray is raised and ground speed is detected to be above 8 km/h (adjustable) the raised tray warning LED will pulse ON and OFF and the raised tray warning alarm will be audible. The LED will continue to pulse, and the alarm will continue to be audible until the tray is lowered irrespective of the ground speed.

NEUTRAL SENSE

When the tray is in the raised position the raised tray warning LED will be ON. If the tray is raised and the vehicle is not in neutral gear the raised tray warning LED will pulse ON and OFF and the raised tray warning alarm will be audible. The LED will continue to pulse and the alarm will continue to be audible until the tray is lowered irrespective of gear selection.

PARK BRAKE SENSE

When the tray is in the raised position the raised tray warning LED will be ON. If the tray is raised and the park brake is not engaged the raised tray warning LED will pulse ON and OFF and the raised tray warning alarm will be audible. The LED will continue to pulse, and the alarm will continue to be audible until the tray is lowered irrespective of park brake.

APN	MULTI-VOLTAGE	SPEED SENSE	GEAR SENSE	PARK BRAKE SENSE	WARNING BUZZER
12729	Y	Y	Y	Y	Y

ADDITIONAL DOCUMENTS

PRODUCT ONLINE



CUSTOMER DATASHEET

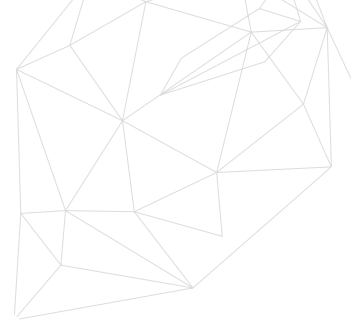


MANUAL



PRODUCT OUTLINE SHEET

RAISED TRAY WARNING



Key Features

- ▶ LED indication to warn operators the tray is raised
- ▶ Audible alarm when tray is raised and the machine is not in a controlled stop.
- ▶ Multi-voltage 12–24 V
- ▶ Environmentally sealed – IP65
- ▶ Compact and robust design
- ▶ Customised circuitry
- ▶ Protects infrastructure and personnel in or near machine
- ▶ Encourages safe operating practices
- ▶ User friendly
- ▶ Simple and automatic operation

Parts List

PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	12729
12738	GENERIC LOOM TO SUIT 11474	1
4267	BRACKET T/S OMRON PROX SWITCH	1
11981	RESISTOR 1W 1K2 OHM MF	1
6568	SWITCH PROXIMITY NPN N/C 34MM	1
1723	BUZZER WARNING CONS/INT 80DB	1
12537	CONTROL RAISED TRAY WARNING	1
0700	LABEL RAISED TRAY ALARM	1
11109	LED 6-32 VOLT RED 2T	1

Quoting & Pricing

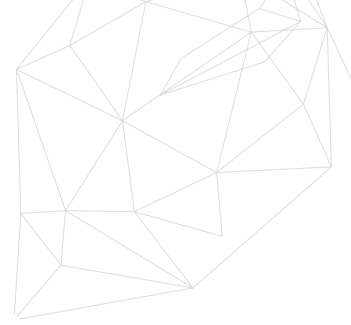
Raised Tray Warning Kit pricing in Price List will include all of the components listed above in the Parts List. Spare or replacement parts can be ordered via the part numbers in the Parts List.

Additional Documents

ITEM	DESCRIPTION	DOCUMENT NUMBER/TITLE
1	Datasheet	SBMH060717b-Raised-Tray-Warning-Systems
2	Product Manual	M0948

PRODUCT OUTLINE SHEET

RAISED TRAY WARNING



Related Images

