

IDLE TIMERS



IDLE TIMER
11452



**IDLE TIMER TO SUIT VOLVO F SERIES
LOADERS**
12285



IDLE TIMER TO SUIT KOMATSU MACHINES
12286

Purpose & Benefits

When operating temperatures are extreme, there is a high risk of damage to your machine if shutdown is not carried out correctly. RCT's Muirhead® Idle Timers regulate temperatures in the engine and turbo components by idling the engine for a set period of time before final shutdown occurs.

They are available in kits or controller only and are supplied with a detailed installation guide.

They are multi-voltage for application across all machine types.

Equipment Type

All mobile equipment especially those with turbos working in high operating temperatures.

Target Customer

All operators of mobile equipment concerned with unintentional engine and turbo damage due to excessive heat on shutdown.

Functionality

The Idle Timer interfaces into the machine ignition circuit. When the ignition is on and the engine started it will run as per normal operation. To stop with timed delay, turn the ignition switch off; the engine will continue to run for the timed cycle with the 'timing' light on. The system is in the idle down mode, once the time delay is reached the engine will shut down automatically.

If you want to shut down the engine sooner, activate the engine shutdown switch. This will stop the engine in the idle down mode. The ignition switch needs to be turned to the 'off' position for the shutdown feature to work.

There is an option to install ground level shutdown switches. These switches allow for shutdown of the machine when not in idle down mode (key ON). To activate this option, pin 7 must be connected to machine ground.

Note: If the ground level shutdown feature is active, then the engine shutdown switch will shut the engine down when the key is in the on or off position.

There is also a park brake input feature.

This feature is to prevent someone inadvertently driving off when the machine is in idle down mode.

1. When the key is switched to the off position and the park brake is applied, the unit will enter idle down mode. If the park brake is released while in idle down mode, the alarm will sound and the engine will shut down, preventing an operator driving off with the key in the off position.
2. If the key is switched off at any time with the park brake released, the engine will shut down and the alarm will sound.
3. If an operator is required to mobilise the machine whilst the key is switched to the off position and the machine is in idle down mode, the key must be returned to the run position before the park brake is released.

Variations

There are a number of variations of the idle timer. Each has the same functionality but will vary with specific machine types.

ADDITIONAL DOCUMENTS

PRODUCT
ONLINE

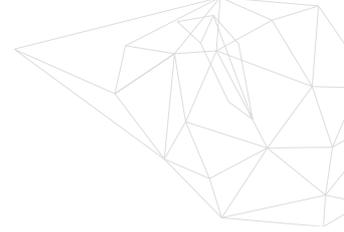


CUSTOMER
DATASHEET



MANUAL





PRODUCT OUTLINE SHEET

IDLE TIMERS

APN	PARK BRAKE INPUT	GROUND LEVEL SHUTDOWN AVAILABLE	PARK BRAKE INVERTED	VOLVO SPECIFIC WIRING	KOMATSU SPECIFIC WIRING
11452	Y	Y	N	N	N
12285	Y	Y	Y	Y	N
12286	Y	Y	N	N	Y

Key Features

- ▶ Multi-voltage 12-24 volt unit to suit all machines
- ▶ Selectable idle time cycle provides flexibility in shutdown time from 1 - 12 minutes, in 1 minute increments
- ▶ Suitable for Energised to Run (ETR) systems
- ▶ Steering accumulator bleed down output
- ▶ Park brake input
- ▶ Ground level machine shutdown
- ▶ Universal application
- ▶ Visual warning
- ▶ Integrated mount
- ▶ Simple and easy to use
- ▶ Customised Idle Timers are available with additional features such as lights and auxiliary shutoff on request.

Parts List

Each kit has specific parts please refer to individual manuals for specific part numbers

PART #	DESCRIPTION	11452	12285	12286
11450	CONTROLLER	1		1
12444	IDLE TIMER WITH INVERTED PARKBRAKE		1	
11451	LOOM COMPLETE WITH SWITCH AND IDLE DOWN LED	1		
12304	LOOM COMPLETE WITH SWITCH AND IDLE DOWN LED		1	
12297	LOOM COMPLETE WITH SWITCH AND IDLE DOWN LED			1

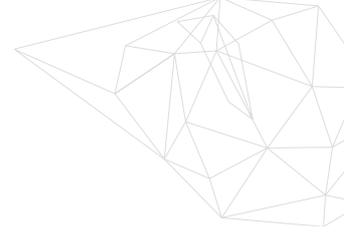
Quoting & Pricing

Idle Timer pricing is available in controller only to full kits. Kits include controller, loom with switch, LED, labels and installation guide.

Spare or replacement parts can be ordered via the APN part numbers in the Parts List.

Additional Document

Item	Description	Document Number/Title
1	Datasheet	SBMH1204012-Idle-Timers SBMH1115049-Fuel-Saving-Devices
2	Product Manual	M0712 , M0894 ,
3	Product Update	PU206 Added functionality to idle timer



PRODUCT OUTLINE SHEET

IDLE TIMERS

Related Images

