

DIRECTIONAL CHANGE CONTROLLER



KIT DCC T/S 8 SERIES TOYOTA FORKLIFT

10216



CONTROL DIRECTION CHANGE ADJUSTABLE SPEED SETPOINT

11058



DIRECTIONAL CHANGE CONTROLLER KIT (ADJUSTABLE SPEED)

6388

Purpose & Benefits

The Muirhead® Directional Change Controller (DCC) is designed to help reduce excessive tyre wear, transmission impairment, damage to cargo and unsightly “skid marks” that can be the result of harsh gear changes.

By sensing the machine ground speed and gear selection, the DCC will inhibit a change of machine direction unless the machine has slowed down to a pre-set threshold whereby the opposite gear can then be selected.

Equipment Type

All Internal Combustion (IC) forklifts and heavy mobile equipment that require additional controls around delicate loads, machine transmission damage and operator misuse. The Directional Change Controller is designed for forklifts with a single speed forward and reverse. For forklifts with dual speed or higher please contact RCT for further information.

Target Customer

All owners and users of IC forklifts and heavy mobile equipment concerned with harsh transmission changes during operation of equipment such as (IC) forklifts, trucks, graders etc.

Functionality

The direction change control unit provides lockout of direction change, while a machine is moving by intercepting the forward and reverse signal of the machine and using the machine speed signal to control these outputs.

All inputs and outputs can be active high or low and active open or closed. Calibration is provided to permit the speed at which movement is detected to be altered and an option is provided to lockout direction change until the machine is not moving and the gear is reselected (re-assert).

An alarm output activates when an invalid state is selected. The control unit has 4 LED's for diagnostics which are used when installing and servicing the unit.

GROUND SPEED SENSING

This control unit incorporates the ability to sense ground speed via an OEM speed sensor or by fitting a speed sensor to the differential. It incorporates smart technology that allows service personnel to adjust the speed set point at which direction changing can take place.

GEAR SENSOR

The controller senses when forward and reverse gears have been selected.

GEAR LOCKOUT (RE-ASSERT)

The DCC will inhibit the directional change of the machine while it is still in motion.

NEUTRALISE

The DCC will neutralise the directional gear change of the machine until it slows down to reach the pre-set threshold whereby the opposite gear can be selected.

SMALL SIGNAL AMPLIFICATION (SUPER SENSE)

This control unit has an inbuilt amplifier that when enabled can detect and amplify speed signals as low as 200mV. This is enabled by default and can be disabled through the link settings.

APN	HEAVY DUTY	SELF-TEST MODE	SPEED SENSOR INPUT	IP66 CONTROLLER	KITS AVAILABLE OVERRIDE	LED RED WARNING LIGHT & LABEL
10216	Y	Y	1	Y	Y	Y
11058	Y	Y	1	Y	Y	Y

ADDITIONAL DOCUMENTS

PRODUCT ONLINE



CUSTOMER DATASHEET

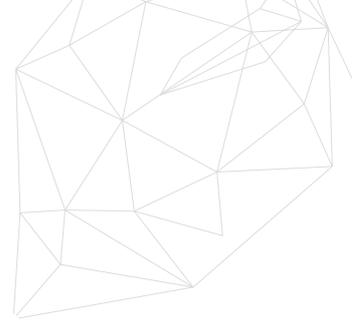


MANUAL



PRODUCT OUTLINE SHEET

DIRECTIONAL CHANGE CONTROLLER



Variations

Kits can be supplied with optional audible (buzzer) and visual (LED, decals) aids to advise the operator that the DCC is installed and warn them of directional change selection at speed.

Key Features

- ▶ The DCC can help reduce excessive:
 - Tyre wear
 - Transmission damage
 - Skid marks
- ▶ Prevents unsafe driving practices
- ▶ Compatible with most 12V and 24V machines that use electric gear shifts
- ▶ Compatible with negative or positive switching via configuration settings
- ▶ Configurable gear change threshold – can be set from 0KMH to any speed
- ▶ Simple and automatic operation

Parts List

PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	10216	6388
6380	CAUTION LABEL	1	1
11109	LED M/V RED 2T	1	1
13156	LOOM	1	1
12951	DCC (RPM INPUT)	1	-
6318	DCC ADJUSTABLE SPEED INPUT	-	1

Quoting & Pricing

DCC kits can be purchased as a kit or as a Controller only. RCT have detailed installation manuals for generic and customised kits.

Additional Documents

ITEM	DESCRIPTION	DOCUMENT NUMBER/TITLE
1	Datasheets	SBMH1204034-Directional-Change-Controller
2	Product Manuals	TBA

Related Images

