

Reverse Motor Control PCB Assembly

This RBS-0029 Reverse Motor Control PCB Assembly is a drop-in replacement for the Brock® 3728-00029 assembly. This unit functions the same as the original unit, however it is much easier to set up with respect to the "OFF Delay Time" and the "Reverse Time".

Installation:

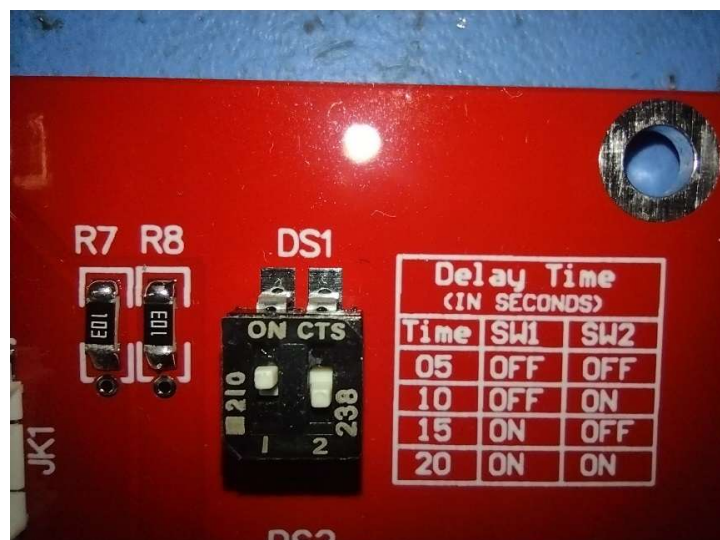
- (1) Disconnect all power to the Dryer and unload system.
- (2) Unplug the 6-position terminal block header from the old unit. (TB4)
- (3) Remove the 4 screws securing the old board to the mounting bracket.
- (4) Mount the new RBS-0029 assembly back onto the mounting plate by using the same 4 screws.
- (5) Plug in the Terminal Block Header back into the unit. (TB4)

"Delay Time Setting":

The Delay Time, (or Coast Time) should be set to the appropriate time to ensure the carrousel comes to a complete stop after forward movement has been disabled, before the reversing of the carrousel takes place. The appropriate Delay Time will depend on several site-specific factors, including the particular dryer model. Care should be taken to ensure that there is enough Delay Time allowed for the carrousel to stop when the Unload Rate is at 100%.

To set the Delay Time, move switches 1 and 2 (of DS1) to the desired setting (as per the selection table located on the printed circuit board). See photo below.

Note that the up position is the "ON" position on the switch. For example, in the photo below, the switch is set to a Delay Time of 15 seconds. Also note that a small pointed tool will be required to slide the switches to the desired position.



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"Reverse Time Setting":

The Reverse Time should be set to the appropriate time to ensure the carousel runs long enough to completely clean out any remaining grain after the dryer has been stopped. The appropriate Reverse Time will depend on several site-specific factors, including the particular dryer model.

To set the Reverse Time, move switches 1 and 2 (of DS2) to the desired setting as per the selection table located on the printed circuit board. See photo below. Note that the up position is the "ON" position on the switch. For example, in the photo below, the switch is set to a Reverse Time of 60 seconds. Also note that a small pointed tool will be required to slide the switches to the desired position.



LED Operation:

There are three LEDs located on the board assembly to indicate what mode of operation the system is in:

If no LEDs are illuminated, this indicates that the unload system is completely off.

If the Green LED is illuminated, this indicates that the unload carousel is running in the Forward direction.

If the Yellow LED is illuminated, this indicates the Delay Time (or Coast time) is in process.

If the Red LED is illuminated, this indicates that the unload carousel is running in the Reverse direction.

After the settings have been set, power up the system and check for proper operation. If a particular time needs to be changed, this can be done with the power still applied.

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