

826-2788 Burger King Timer Kit

Intermittent ignition alarms in BK 1814 Triple Play fryers can occur during a re-light sequence after a pilot drop out. Adding an 8-second delay timer will prevent ignition alarms during the re-light sequence.

Follow these instructions to install the new delay timer:

1. Remove power from the unit and remove the controller.
2. Remove and discard the existing orange 10C wire between ignition alarm relay #1 (on left) pin 1 and ignition alarm relay #2 (on right) pin 3. See Figure 1. See Figure 2 for pin positions.
3. Remove and discard the existing red 15C wire between ignition alarm relay #1 pin 4 and pin B.
4. Remove and discard the existing red 16C wire between ignition alarm relay #1 pin B (coil) and ignition alarm relay #2 pin 6.
5. Remove and discard the existing orange 13C wire between ignition alarm relay #1 pin 6 and ignition alarm relay #2 pin 5.
6. Remove and discard the existing orange 11C wire between ignition alarm relay #1 pins 5 and 6. Do not reattach the piggy back wire yet.
7. Remove and discard the existing orange 14C wire between ignition alarm relay #2 pins 4 and 5.
8. Move the orange wire from ignition alarm relay # 2 pin 3 to ignition alarm relay #1 pin 1. The other end is pin 9 of J2 on interface board. See Figure 6.
9. Position the provided timer relay in the bottom of the control box and using an existing hole, secure with the enclosed self tapping screws. See Figures 3 and 4.
10. Ensure the DIP switch settings are correct. All switches should be in the OFF position except switch #4 (8 seconds). See Figure 5.
11. Reattach the orange piggy back wire removed in step 6 to new piggy back on enclosed new orange 10C wire. Install new orange 10C wire between ignition alarm relay #1 pin 5 (COM) to ignition alarm relay #2 pin 5 (COM). See Figure 6.

In This Kit		
Part No.	Description	Qty
805-1859	Diagram, BK1814 Control	1
809-0111	Screw, #8-32x1	1
809-0249	Nut, #8-32	1
812-2185	Timer Relay	1
W10C552	Wire 10C (ORANGE)	1
W11C543	Wire 11C (RED)	1
W1C2540	Wire 12C (WHITE)	1
819-6676	Instructions	1

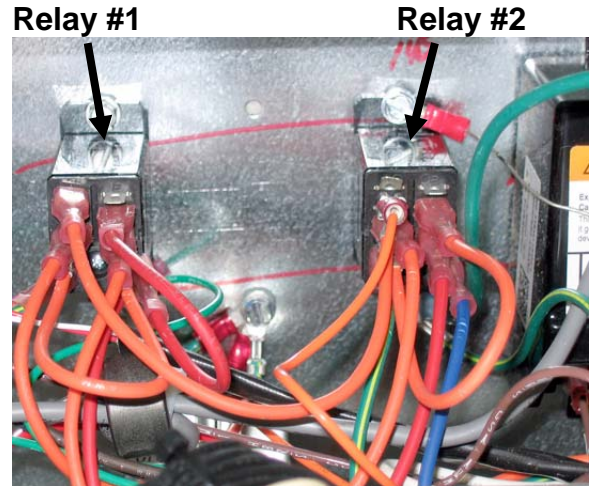


Figure 1: Existing Wiring -Relay #1 on the left and

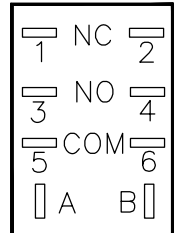


Figure 2: Relay Pin Positions

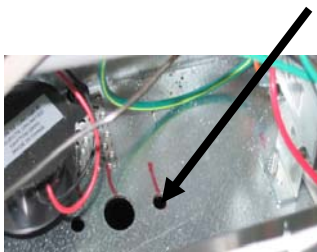


Figure 3: Use existing hole to mount timer relay.

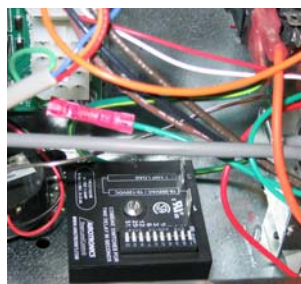


Figure 4: Mounted timer relay

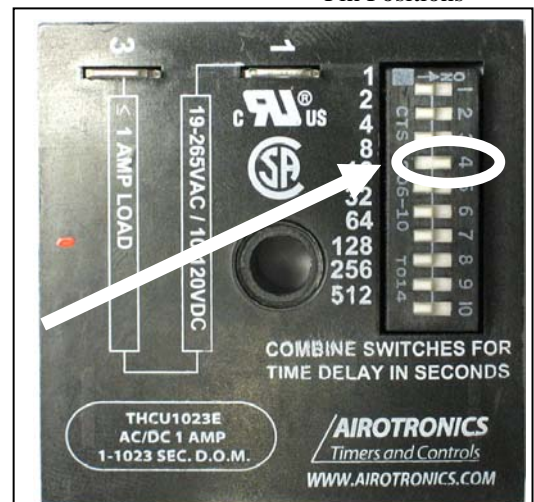


Figure 5: All dip switches should be off except #4 (8 seconds).

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12. Install NEW red 11C wire between ignition alarm relay #1 pin B (coil) (3/16 terminal) to timer relay pin 3 (1/4 terminal). See Figure 6.
13. Install NEW white 12C wire between ignition alarm relay #2 pin1 (3/16 terminal) to timer relay pin 1 (1/4 terminal). See Figure 6.
14. Remove and replace wiring diagram on the fryer door with new enclosed wiring diagram.
15. Reassemble the controller and unit, return power and test operation.

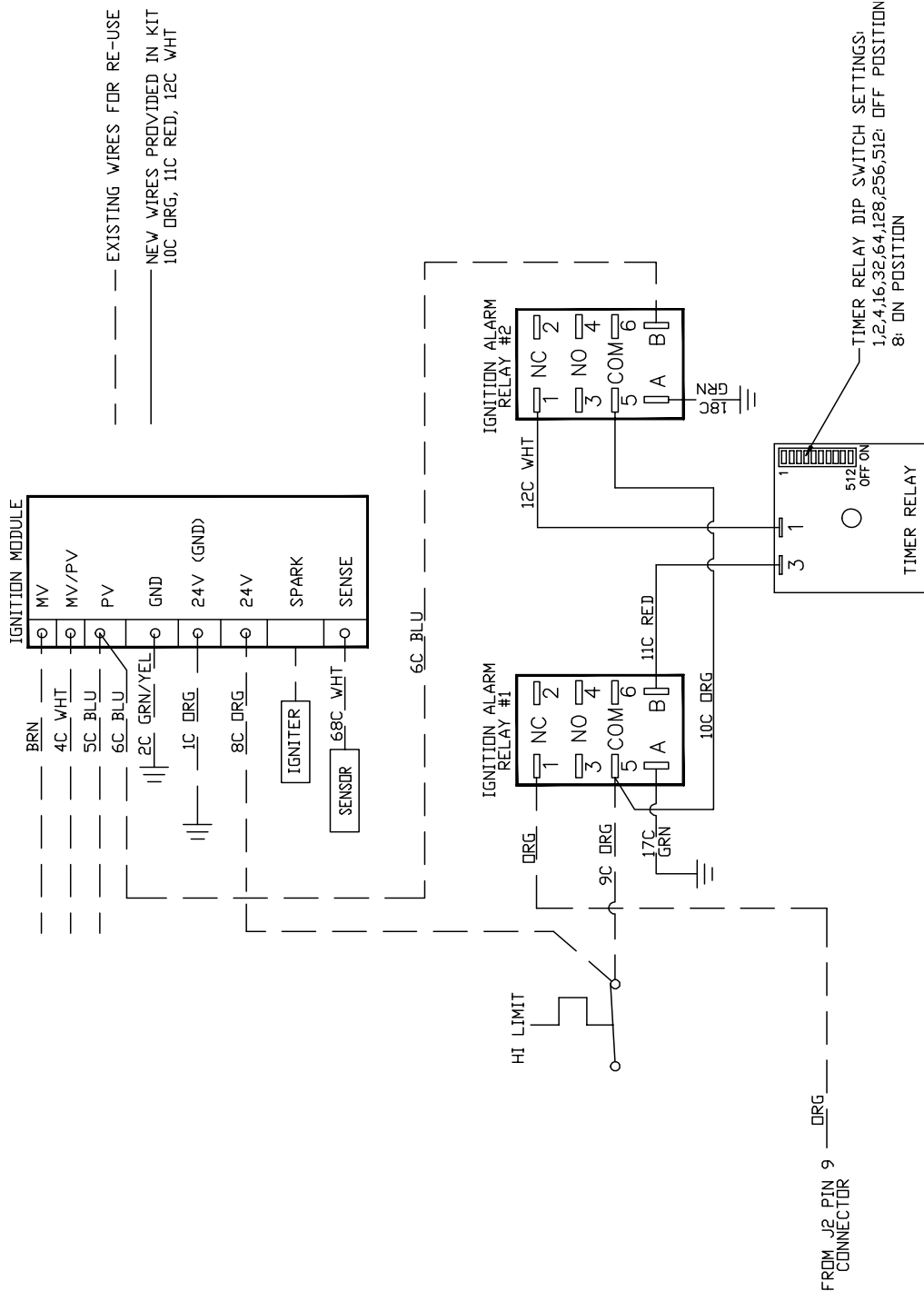


Figure 6: New timer wiring diagram