OCF30™ (FPEL)
Electric Fryer

Wiring Diagrams
This manual is updated as new information and models are released. Visit our website for the latest manual.
DANGER
Prior to movement, testing, maintenance and any repair on your Frymaster fryer, disconnect ALL electrical power from the fryer.
SECTION 1: Wiring Diagrams
1.1 Simplified OCF30 Wiring with 3000 controller ................................................................. 1-1
1.2 Component Wiring Domestic and Export with 3000 controller .............................................. 1-2
1.3 Component Wiring CE with 3000 controller ........................................................................... 1-3
1.4 Component Wiring with 3000 controller 120V/480V ............................................................... 1-6
1.5 Component Wiring with CM3.5 controller Domestic and Export ........................................... 1-7
1.6 Component Wiring with CM3.5 controller CE ........................................................................... 1-8
1.7 Component Wiring with Bulk Oil ............................................................................................. 1-10
1.8 Bulk Oil Wiring Box ................................................................................................................ 1-11
1.9 Contactor Box-Delta Configuration .......................................................................................... 1-12
1.10 Contactor Box-WYE Configuration ....................................................................................... 1-13
1.11 Solid Shortening .................................................................................................................... 1-14
   1.11.1 Solid Shortening Control Wiring ...................................................................................... 1-14
   1.11.2 Solid Shortening Component Wiring 120V/480V .............................................................. 1-15
   1.11.3 Solid Shortening Component Wiring 240V ..................................................................... 1-16
1.12 Basket Lift ........................................................................................................................... 1-17
   1.12.1 Modular Basket Lift Wiring Diagram 208V-250V ............................................................... 1-17
   1.12.2 Modular Basket Lift Wiring Diagram 100V-120V ............................................................ 1-18
1.13 Terminal Block Wiring ......................................................................................................... 1-19
THIS PAGE INTENTIONALLY LEFT BLANK
NOTE: If the fryer does not have the optional auto top off feature, an ATO board will not be present. The controllers will terminate on the far left and far right controller.
1.2 Component Wiring with 3000 controller (Domestic and Export)
1.4 Component Wiring with 3000 Controller 120V/480V
1.5 Component Wiring with CM3.5 controller (Domestic and Export)
1.7 Component Wiring With Bulk Oil
1.9 Contactor Box – Delta Configuration

FULL VAT

DUAL VAT
1.10 Contactor Box – WYE Configuration
1.11 Solid Shortening
1.11.1 Solid Shortening Control Wiring
1.11.2 Solid Shortening Component Wiring 120V/480V
1.11.3 Solid Shortening Component Wiring 240V
1.12 Wiring Diagrams

1.12.1 Modular Basket Lift Wiring Diagram 208-250V

REFERENCES TO LEFT & RIGHT ARE FROM THE REAR OF THE FRYER
1.12.2 Modular Basket Lift Wiring Diagram 100-120V

References to left & right are from the rear of the fryer

8050555E
1.13 Terminal Block Wiring
Every new piece of Manitowoc Foodservice equipment comes with KitchenCare™ and you choose the level of service that meets your operational needs from one restaurant to multiple locations.

**StarCare** – Warranty & lifetime service, certified OEM parts, global parts inventory, performance audited

**ExtraCare** – CareCode, 24/7 Support, online/mobile product information

**LifeCare** – Install & equipment orientation, planned maintenance, KitchenConnect™, MenuConnect

**Talk with KitchenCare™** - 1-844-724-CARE - www.mtwkitchencare.com

To learn how Manitowoc Foodservice and its leading brands can equip you, visit our global web site at www.manitowocfoodservice.com, then discover the regional or local resources available to you.