BIELA14 Series
Gen II LOV™ Electric Fryer

Wiring Diagrams
This manual is updated as new information and models are released. Visit our website for the latest manual.
This equipment chapter is to be installed in the Fryer Section of the Equipment Manual.
DANGER
Improper installation, adjustment, maintenance or service, and unauthorized alterations or modifications can cause property damage, injury, or death. Read the installation, operating, and service instructions thoroughly before installing or servicing this equipment.

DANGER
This fryer has a power cord (three-phase) for each frypot and a single five-wire cord for the entire system. Prior to movement, testing, maintenance and any repair on your Frymaster fryer; disconnect ALL electrical power cords from the electrical power supply.
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>BIELA14 Series GEN II LOV™ Simplified Wiring</td>
<td>1-1</td>
</tr>
<tr>
<td>1.2</td>
<td>BIELA14 Series GEN II LOV™ Simplified Wiring with obsolete LON Board</td>
<td>1-2</td>
</tr>
<tr>
<td>1.3</td>
<td>Component Wiring Domestic</td>
<td>1-3</td>
</tr>
<tr>
<td>1.4</td>
<td>Component Wiring CE</td>
<td>1-4</td>
</tr>
<tr>
<td>1.5</td>
<td>Component Wiring CSA</td>
<td>1-7</td>
</tr>
<tr>
<td>1.6</td>
<td>Component Wiring Australia</td>
<td>1-8</td>
</tr>
<tr>
<td>1.7</td>
<td>Contactor Box-Delta Configuration</td>
<td>1-9</td>
</tr>
<tr>
<td>1.8</td>
<td>Contactor Box-WYE Configuration</td>
<td>1-10</td>
</tr>
<tr>
<td>1.9</td>
<td>Solid Shortening Melting Unit Wiring</td>
<td>1-11</td>
</tr>
<tr>
<td>1.10</td>
<td>Solid Shortening Component Wiring 120V</td>
<td>1-12</td>
</tr>
<tr>
<td>1.11</td>
<td>Solid Shortening Melting Unit Wiring 240V</td>
<td>1-13</td>
</tr>
</tbody>
</table>
1.1 BIELA14 Series GEN II LOV™ Simplified Wiring
1.2 BIELA14 Series GEN II LOV™ Simplified Wiring with obsolete LON Board
1.3 Component Wiring (Domestic)
Component Wiring (CSA)
1.6 Component Wiring (Australia)
1.7 Contactor Box – Delta Configuration

FULL VAT

DUAL VAT
1.8 Contactor Box – WYE Configuration
1.9 Solid Shortening Melting Unit Wiring

NOTES:
1. HEATER STRIP WIRE COLORS:
   a) 120V = BLACK & WHITE (SHOWN)
   b) 240V = RED & PURPLE
2. MATCH THE SAME COLOR WIRES FROM ALL HEATER STRIPS TO ITS CORRESPONDING WAGO CONNECTOR
3. DIAGRAM REPRESENTS A 3 BATTERY ALL DUAL VAT FRYER.

TO TERMINAL 3 ON PUMP RELAY
TO TERMINAL 4 ON PUMP RELAY
TO TERMINAL 7 ON
RESET SWITCH RELAY

14C GRN
15C
16C
61C WHT
60C BLK
10A @ 120V
5A @ 240V
1.10 Solid Shortening Component Wiring 120V
1.11 Solid Shortening Component Wiring 240V
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.

©2014 Manitowoc Foodservice except where explicitly stated otherwise. All rights reserved. Continuing product improvement may necessitate change of specifications without notice.

Part Number FRY_D_8197222 03/15