<table>
<thead>
<tr>
<th>SHEET</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OVERALL ASSEMBLY AND DIMENSIONS</td>
</tr>
<tr>
<td>2</td>
<td>EXTERIOR COMPONENT DETAIL</td>
</tr>
<tr>
<td>3</td>
<td>SUBPLATE COMPONENT DETAIL</td>
</tr>
<tr>
<td>4</td>
<td>BOM</td>
</tr>
<tr>
<td>5</td>
<td>WIRING DIAGRAM</td>
</tr>
<tr>
<td>6</td>
<td>SUBPLATE DRILL DETAIL</td>
</tr>
<tr>
<td>7</td>
<td>ENCLOSURE DRILL DETAIL</td>
</tr>
</tbody>
</table>

---

**MDR POWER ASSEMBLIES**  
**PULSEROLLER STANDARDS**

**PART NUMBER** IN-P-DIS-PS-20-120  
**DATE** 12-MAY-2020  
**OVERALL ASSEMBLY**

---

**DRAWING REFERENCE**

---

**TITLE** IN-P-DIS-PS-20-120  
**DESIGNED BY**  
**CHECKED BY**  
**REV** 1 OF 7  
**SALES** SALES@PULSEROLLER.COM  
**SUPPORT** SUPPORT@PULSEROLLER.COM  
**WEB** WWW.PULSEROLLER.COM
MDR POWER

480 VOLT

WARNING

INDICATES REF ON BOM

IN-P-DIS-PS-20-120 ON SHEET 4 OF 7
SUBPLATE FRONT VIEW

XX

INDICATES REF ON BOM
IN-P-DIS-PS-20-120 ON
SHEET 4 OF 7

IN-P-DIS-PS-20-120
MDR POWER ASSEMBLIES
PULSEROLLER STANDARDS

3 OF 7
NONE
JPK

SUBPLATE RIGHT SIDE VIEW
<table>
<thead>
<tr>
<th>REF #</th>
<th>QUANTITY</th>
<th>MANUFACTURER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Hoffman</td>
<td>Q303018PCICC</td>
<td>Enclosure, (11.3 in. x 11.3 in. x 7.09 in.), Clear Cover</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Hoffman</td>
<td>Q3030PI</td>
<td>Enclosure Mounting Plate, Metal</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Puls</td>
<td>QS20.241</td>
<td>120VAC TO 24VDC 20 Amp Power Supply</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Allen-Bradley</td>
<td>194EHE4N175</td>
<td>Rotary Switch Handle</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Allen-Bradley</td>
<td>194L-G3393</td>
<td>Shaft Adapter</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>Allen-Bradley</td>
<td>194E-A16-1753</td>
<td>Rotary Load Switch</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>Allen-Bradley</td>
<td>1492-EAJ35</td>
<td>End Anchor</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>Allen-Bradley</td>
<td>1492-J4</td>
<td>Terminal Block, 30A, Grey</td>
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<tr>
<td>9</td>
<td>2</td>
<td>Allen-Bradley</td>
<td>1492-J4B</td>
<td>Terminal Block, 30A, Blue</td>
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<tr>
<td>10</td>
<td>1</td>
<td>Allen-Bradley</td>
<td>1492-EBJ16</td>
<td>Partition Barrier</td>
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<tr>
<td>11</td>
<td>1</td>
<td>Square D</td>
<td>PK3GTA1</td>
<td>3 Lug Ground Bar</td>
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<tr>
<td>12</td>
<td>0</td>
<td>Allen Bradley</td>
<td>1489-M1C200</td>
<td>Miniature Circuit Breaker 20 Amp, C, 1 Pole</td>
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<tr>
<td>13</td>
<td>1</td>
<td>Allen Bradley</td>
<td>1492-CJJ6-10</td>
<td>Center Jumpers for J4 Terminal Blocks</td>
</tr>
<tr>
<td>14</td>
<td>4</td>
<td>Midget Lourve</td>
<td>15LDSTMB</td>
<td>1.5” LD 6 TAB All Alum Vent</td>
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<tr>
<td>15</td>
<td>1</td>
<td>Pulseroller</td>
<td>ZM1.WALL</td>
<td>Wall / Panel mount bracket for QT20.241</td>
</tr>
<tr>
<td>16</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>DIN Rail, 35mm Standard, 300 mm length</td>
</tr>
<tr>
<td>17</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>DIN Rail, 35mm Standard, 70 mm length</td>
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<tr>
<td>18</td>
<td>1</td>
<td>Hoffman</td>
<td>QIMFK</td>
<td>Mounting Brackets for Q-Line Enclosure, Set of 4</td>
</tr>
<tr>
<td>19</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<tr>
<td>20</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, GND</td>
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<td>21</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, Serial Number</td>
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<tr>
<td>22</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, Pulseroller Company Info</td>
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<tr>
<td>23</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, Warning</td>
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<td>24</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, 480V</td>
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<td>25</td>
<td>1</td>
<td>Pulseroller</td>
<td>-</td>
<td>Label, MDR Power</td>
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<tr>
<td>26</td>
<td>6</td>
<td>FerrulesDirect</td>
<td>AW40009</td>
<td>12 AWG (9mm Pin) Insulated Ferrules - Gray</td>
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<tr>
<td>27</td>
<td>3</td>
<td>FerrulesDirect</td>
<td>AW60010</td>
<td>10 AWG (10mm Pin) Insulated Ferrules - Black</td>
</tr>
</tbody>
</table>
**WIRING DIAGRAM**

**PART NUMBER IN-P-DIS-PS-20-120**

**MDR POWER ASSEMBLIES**

**PULSEROLLER STANDARDS**

**WIRING NOTE:**
- **ALL PANEL WIRING TO BE MTW. GAUGE & COLOR AS NOTED.**
- **INDICATES REF ON BOM IN-P-DIS-PS-20-120 ON SHEET 4 OF 7**
- **NO FERRULE FOR WIRING TO TERMINAL BLOCKS**
- **ALL 10 AWG WIRES REQUIRE CRIMPED ON FERRULES**
- **TYPICAL 6 PLACES**
- **ALL 12 AWG WIRES USE ITEM 26**
- **TYPICAL 3 PLACES**
- **ALL 10 AWG WIRES USE ITEM 27**

**PLANT SUPPLIED SERVICE**
- **120VAC <= 16A**
- **L = 120VAC**
- **N = NEUTRAL**
- **GND = GROUND**

**LABELS:**
- **GND**
- **12AWG GRN**
- **GND**
- **12AWG GRN**
- **10AWG BRN**
- **10AWG BLU**
- **COM**
- **COM**
- **+24**
- **+24**

**INDICATOR:**
- **XX**

**INDICATES REF ON BOM IN-P-DIS-PS-20-120 ON SHEET 4 OF 7**
TYPICAL 10 PLACES

(METRIC) LENGTH MACHINE SCREWS

USE 3/8" (IMPERIAL) OR 10MM

(METRIC)

EITHER #8-32 (IMPERIAL) OR M4X7

ALL HOLES DRILL AND TAP FOR

DRILL INSTRUCTIONS

REV: 6 OF 7

NONE

JPK

IN-P-DIS-PS-20-120

SUBPANEL DRILL AND TAP DETAILS

PART NUMBER IN-P-DIS-PS-20-120

MDR POWER ASSEMBLIES

PULSEROLLER STANDARDS

SHEET:

SCALE:

FOR:

DWG. NO:

DATE:

DESIGNED BY:

CHECKED BY:

TITLE:

SALES: SALES@PULSEROLLER.COM

SUPPORT: SUPPORT@PULSEROLLER.COM

WEB: WWW.PULSEROLLER.COM
ENCLOSURE VENT HOLES - BOTTOM VIEW

ENCLOSURE VENT HOLES - TOP VIEW

REMovable COVER - FRONT VIEW

ALL HOLES THRU DRILLED AND DE-BURRED