Remote Data Port

Install Guide

Model:
Part No.:
Serial No.:
Voltage: 24-34VDC, 0.5AMPS

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INTRODUCTION

GENERAL INFORMATION

The remote data port lets you add industry-standard DEX data transfer capabilities to machines that are not audit enabled or add enhanced capabilities to DEX-enabled machines. The remote data port gathers data on cash transactions and vending cycles, including coin drops, bill insertions and product sales. This information is stored for later collection.

The remote data port is compatible with most vending machines and is simple to use and install. This manual is designed to assist in the installation of the remote data port into various vending machines. This manual will be revised periodically to ensure technical accuracy as more machines become available for retrofitting.

The system is available in two options:
1. Cash Only - Monitors cash sales only.
2. Full Option - Monitors cash sales and product vends.

PRODUCT FEATURES

•Optional Mounting Bracket
•Linear Motor Monitoring
•Matrix Motor Monitoring
•Status LED
•DEX Jack

Nominal Voltage: 24-34VDC

INTERFACES SUPPORTED

•Micromech Interface
•Pulse & Serial Bill Validator
•ACD (Accumulated Credit Display)
•Cash Counter
PRODUCT OVERVIEW

SERIAL NUMBER CONFIGURATION

<table>
<thead>
<tr>
<th>WWYLCPPPPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>WW</td>
</tr>
<tr>
<td>Y</td>
</tr>
<tr>
<td>L</td>
</tr>
<tr>
<td>CC</td>
</tr>
<tr>
<td>PPPPP</td>
</tr>
</tbody>
</table>

CONFIGURATION

The remote data port will be shipped with factory default settings. Each remote data port will require machine specific configuration using an MEI Support Tool. See MEI Easitrax Remote Data Port Configuration manual for instructions.

REMOTE DATA PORT

The remote data port is the core of the audit retrieval system. It allows for easy retrieval of cash transactions and/or product vending cycles. The remote data port has five connection points for interfacing the port directly or indirectly through data pods to the vending machine.

<table>
<thead>
<tr>
<th>P1 - 215630001 DDCMP/Printer DEX MDB</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2 - 215634004 Electronic Lock Credit Card Reader Executive Interface (Master) Executive Interface (Slave)</td>
</tr>
<tr>
<td>P3 - 215638002 Config I/O, Dalla 1 Wire Temp RS485 LAN Optional Battery- Rechargeable Fill Sw. Detector (Req. External I/F) Light Detector (Req. External Isolation) Cash Counter I/F (Req. Isolation)</td>
</tr>
<tr>
<td>P4 - 215636003 LMM/MMM/DLMM/DMMM HH12 Interface Micromech Coin Mech Printer ACD Parallel Coin Mech Bill Validator</td>
</tr>
<tr>
<td>P5 - 215632005 VMC Printer One Wire Interface</td>
</tr>
</tbody>
</table>

Bottom View
**PRODUCT OVERVIEW**

**MEI EASITRAX EZ 100 (LMM)**

The MEI EASITRAX EZ 100 is used when monitoring product vend cycles. It allows for high voltage monitoring of linear vend motors, credit line and cash counter.

<table>
<thead>
<tr>
<th>P1</th>
<th>P2</th>
<th>P3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Port Interface</td>
<td>Linear Motor</td>
<td>Cash Counter</td>
</tr>
</tbody>
</table>

**MEI EASITRAX EZ 200 (DMMM)**

The MEI EASITRAX EZ 200 is used when monitoring product vend cycles. Its voltage source is the data port. **It allows for 5V logic to monitor matrix vend motors.**

<table>
<thead>
<tr>
<th>P1</th>
<th>P2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Port Interface</td>
<td>Matrix Motor</td>
</tr>
</tbody>
</table>

**MEI Easitrax Cable/Power Supply**

The MEI EASITRAX cable/power supply is an optional 115v/24v supply which is used to power the dataport when a vending machine has a 12 pin micromech interface and no available ACD. The cable/power supply allows micromech communication for collection of vend information from the coin changer to the data port.
Before Installation
- Verify that the machine and its components work properly prior to data port installation.
- Power **MUST** be removed from the vendor prior to starting the installation.
- Visually inspect machine cables for defects. Adjust/Replace as needed.
- Perform a test vend and verify change payback.
- Locate a position where the data port is easily accessible, make sure that harnesses will reach pod(s) and that no objects are obstructing the data port DEX Jack.
- Clear all machine errors.

Needed Tools/Supplies
- Cable Ties (Supplied by MEI)— Black UV stable cable ties and self-adhesive cable tie bases.
- Cleaning materials for vending machines.
- General assorted tools such as screwdrivers wire cutters, etc.

Required Installation Standard
It is a requirement that all products and cables are securely fastened to the vendor. The installer will need to provide UV stable cable ties to securely fasten all cables to the vendor. Any looping of excess cable must be fastened to the vendor and service loops need to be minimized.

Antenna Installation
Antennas shall be installed so that a separation distance of 20cm (8 inches) is maintained from individuals during normal use.
AP-MACHINE INSTALLATION

AP 6000 / 7000 Series Snack Machine
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 15.

Required Components:

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 200</td>
<td>213660018</td>
</tr>
<tr>
<td>12 Pin Micromech Cable*</td>
<td>215630006</td>
</tr>
<tr>
<td>VFM Interface Cable</td>
<td>214977001</td>
</tr>
<tr>
<td>AP 6000/7000 Kit</td>
<td>216420003</td>
</tr>
<tr>
<td>Kit consist of:</td>
<td></td>
</tr>
<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
</tr>
<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>Motor Monitor Cable</td>
<td>215635012</td>
</tr>
<tr>
<td>API 7x10 Motor Matrix Cable</td>
<td>214891001</td>
</tr>
<tr>
<td>API Series 4k-7k Power Cable</td>
<td>214919001</td>
</tr>
</tbody>
</table>

*Note: The 12 Pin Micromech Cable and the VFM Interface Cable can be used with MEI and Coinco Products.

Installation Instructions

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

WARNING
Do Not drill into high voltage wiring when drilling any necessary mounting holes.

Soon to be replaced by p/n 215635017
6) Connect the 12 Pin Micromech Cable (p/n 215630006) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data P4 Connector.*

7) Connect the VFM Interface cable (p/n 214977001) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.*

8) Connect the Motor Monitor Cable (p/n 215635012) from the Micromech Cable (p/n 215630006) coming from the Coin Mech to the EZ 200 (p/n 213660018).

9) Connect the APi 7 X 10 Motor Matrix Cable (p/n 214891001) between the EZ 200 (p/n 213660018) and the Vending Machine. Using supplied Velcro, attach the EZ 200 to the machine near the data port. Make sure that the location of the EZ 200 does not impede machine operation or the closing of the cabinet door.

10) Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

11) Connect the APi Series 4k-7k Power cable (p/n 214919001) from the 24V Supply Cable (p/n 215631014) to the Vending Machine.

12) Secure harnesses as required using wire ties.

13) Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

14) Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

15) Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

*Coin Changer & Bill Acceptor:

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.
AP 203 / 213 Series Coffee Machine
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 13.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 100 LMM</td>
<td>213663003</td>
</tr>
<tr>
<td>15 Pin Micromech Cable*</td>
<td>215639010</td>
</tr>
<tr>
<td>VFM Interface Cable</td>
<td>214977001</td>
</tr>
<tr>
<td>AP 203/213 Kit</td>
<td>216424001</td>
</tr>
<tr>
<td><strong>Kit consist of:</strong></td>
<td></td>
</tr>
<tr>
<td>MDB Power Interface Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>LMM Interface Cable</td>
<td>215638007</td>
</tr>
<tr>
<td>Power Tap Adapter</td>
<td>215631014</td>
</tr>
<tr>
<td>Cup Drop Monitor Cable</td>
<td>215136047</td>
</tr>
</tbody>
</table>

*Note: The 15 Pin Micromech Cable and the VFM Interface Cable can be used with MEI and Coinco Products.

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

**WARNING**

Do Not drill into high voltage wiring when drilling any necessary mounting holes.

Soon to be replaced by p/n 215635017
6) Connect the 15 Pin Micromech Cable (p/n 215639010) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.* 

7) Connect the VFM Interface cable (p/n 214977001) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.* 

8) Connect the Power Tap Adaptor (p/n 215631014) from the MDB power cable (p/n 215630001) to the EZ 100 LMM (p/n 213663003). 

9) Connect the Cup Drop Monitor Cable (p/n 215136047) from the EZ 100 LMM (p/n 213663003) to the Vending machine door. 

10) Secure harnesses as required using wire ties. 

11) Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port. 

12) Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.** 

13) Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application. 

*Coin Changer & Bill Acceptor: 
Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI. 

**Configuration: 
Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.

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Revision G2
AP 203/213 MACHINE DIAGRAM

Dex Socket (J1)

Machine Door Harness

EZ 100 LMM
p/n 213663003

Soon to be replaced by
p/n 215635017

Coin Mech

Bill Acceptor

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Revision G2
**AP LCM 1-5 MACHINE INSTALLATION**

**LCM 1-5 Series Snack Machine**  
**Remote Data Port Installation**

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 14.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 200</td>
<td>213660018</td>
</tr>
<tr>
<td>15 Pin Micromech Cable*</td>
<td>215639010</td>
</tr>
<tr>
<td>AP LCM 1-5 Series Kit</td>
<td>216428004</td>
</tr>
<tr>
<td><strong>Kit consist of:</strong></td>
<td></td>
</tr>
<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>Snack Motor Monitor</td>
<td>215635012</td>
</tr>
<tr>
<td>Power Tap Adapter Cable</td>
<td>215631014</td>
</tr>
<tr>
<td>LCM 7 x 10 Motor Matrix Cable</td>
<td>215137016</td>
</tr>
</tbody>
</table>

*Note: The 15 Pin Micromech Cable and the VFM Interface Cable can be used with MEI and Coinco Products.*

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

**WARNING**

Do Not drill into high voltage wiring when drilling any necessary mounting holes.
6) Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

7) Connect one end of the 15 Pin Micromech Cable (p/n 215639010) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data P4 Connector. Connect the other end of the 15 Pin Micromech Cable (p/n 215639010) from the MEI coin changer to the 24V Supply Cable (p/n 215631014).

8) Connect the Snack Motor Cable (p/n 215635012) from the Electro-Mechanical “Stub” Harness (p/n 215636003) to the EZ 200 (p/n 213660018).

9) If you have a VFM bill acceptor, connect the VFM Interface cable (p/n 214977001) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data P4 Connector.

10) Connect the LCM 7 X 10 Motor Matrix Cable (p/n 215137016) from the EZ 200 (p/n 213660018) to the Vending Machine. Using supplied Velcro, attach the EZ 200 to the machine near the data port. Make sure that the location of the EZ 200 does not impede machine operation or the closing of the cabinet door.

11) Secure harnesses as required using wire ties.

12) Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

13) Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

14) Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

*Coin Changer & Bill Acceptor:

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.

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Revision G2
SINGLE PRICE MACHINE INSTALLATION

Single Price Machine
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 13.

Required Components:

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 100 LMM</td>
<td>213663003</td>
</tr>
<tr>
<td>ACD Cable</td>
<td>215634009</td>
</tr>
<tr>
<td>Motor Cable</td>
<td></td>
</tr>
<tr>
<td>Single Price Kit</td>
<td>216428009</td>
</tr>
<tr>
<td>Kit consist of:</td>
<td></td>
</tr>
<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215630003</td>
</tr>
<tr>
<td>Motor Monitor Cable</td>
<td>215638007</td>
</tr>
<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
</tr>
</tbody>
</table>

Note: The MEI Single Price Changer must have accessory harness p/n (01-12-121) attached in order for installation. These instructions are for MEI Single Price Coin Changer only.

Installation Instructions

<table>
<thead>
<tr>
<th>WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do Not drill into high voltage wiring when drilling any necessary mounting holes.</td>
</tr>
</tbody>
</table>

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).
5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

6). Installing the ACD cable (p/n 215634009):
   - Connect the 6 pin ACD connector at the end of the MEI coin mech harness to the mating 6 pin connector on the ACD cable tap.*
   - Connect the ACD Cable tap connector marked P3 to the mating 10 pin connector of the Electro-Mechanical “Stub” Harness (p/n 215636003) that is already attached to P4 of the Remote Data Port.*

7). Connect the LMM Interface cable (p/n 215638007) from the Electro-Mechanical “Stub” Harness (p/n 215636003) to the EZ 100 LMM (p/n 213663003).

8). Connect the 24V Supply Cable (p/n 215631014) between the MDB Power Cable (p/n 215630001) and the EZ 100 LMM (p/n 213663003).

9). To complete connection, pick appropriate Motor Cable, based on machine model, from Dixie Narco table on page 12 or another manufacturers Motor Cable. Use this Motor Cable to connect from the vending machine door to the 16 pin connector on the EZ 100 LMM.

10). Secure harnesses as required using wire ties.

11). Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

12). Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

13). Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

* Coin Changer:
   Call our technical support help desk for instructions when connecting to a coin changer manufactured by a company other than MEI.

**Configuration:
   Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.
# DIXIE-MACHINE INSTALLATION

## Dixie Narco Motor Cable Chart

<table>
<thead>
<tr>
<th>Make/model</th>
<th>Qualifier</th>
<th>Door</th>
<th>Installed Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN – 8</td>
<td>803812110.11</td>
<td>Tr</td>
<td>Tr</td>
</tr>
<tr>
<td>DN – 7</td>
<td>803812150.11</td>
<td>Tr</td>
<td>Ts</td>
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<tr>
<td>DN - 7 803</td>
<td>803812150.11</td>
<td>Tr</td>
<td>Ts</td>
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<td>DN - 7 803</td>
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</table>

**KEY:**
- 90 = Series 90 213581001
- Rd = Reduced Split
- Rs = RS SEQUENCER
- Tr = Triple Split 213594001
- Ts = TS SEQUENCER 215135017
- 10 = Ten Clm (2x15 pin)
- 10s = TC SEQUENCER 215133018
National 145 / 146 Series Snack Machine  
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 15.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 200</td>
<td>213660018</td>
</tr>
<tr>
<td>12 Pin Micromech Cable*</td>
<td>215630006</td>
</tr>
<tr>
<td>VFM Interface Cable</td>
<td>214977001</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Conlux Interface Cable</td>
<td>215139015</td>
</tr>
<tr>
<td>National 145/146 kit</td>
<td>216422007</td>
</tr>
<tr>
<td>Kit consist of:</td>
<td></td>
</tr>
<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
</tr>
<tr>
<td>Motor Monitor Cable</td>
<td>215635012</td>
</tr>
<tr>
<td>National 7x10 Motor Matrix Cable</td>
<td>214951001</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>National 145/146 Power Tap</td>
<td>215136008</td>
</tr>
</tbody>
</table>

*Note: The 12 Pin Micromech Cable and the VFM Interface Cable can be used with MEI and Coinco Products.

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

**WARNING**

Do Not drill into high voltage wiring when drilling any necessary mounting holes.
6) Connect one end of the 12 Pin Micromech Cable (p/n 215630006) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data P4 Connector.*

7) If you have a VFM bill acceptor, connect the VFM Interface cable (p/n 214977001) from the bill acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.*

If you have a Conlux bill acceptor, connect the Conlux Interface cable (p/n 215139015) from the bill acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.

8) Connect the Motor Monitor Cable (p/n 215635012) from the Micromech Cable (p/n 215630006) coming from the Coin Mech to the EZ 200 (p/n 213660018).

9) Connect the National 7 X 10 Motor Matrix Cable (p/n 214951001) between the EZ 200 (p/n 213660018) and the Vending Machine. Using supplied Velcro, attach the EZ 200 to the machine near the data port. Make sure that the location of the EZ 200 does not impede machine operation or the closing of the cabinet door.

10) Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

11) Connect the National 145/146 Power Tap (p/n 215136008) from the 24V Supply Cable (p/n 215631014) to the Vending Machine.

12) Secure harnesses as required using wire ties.

13) Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

14) Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

15) Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

*Coin Changer & Bill Acceptor:

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.
CRANE NATIONAL 145/146-MACHINE DIAGRAM

Dex Socket (J1)

Part No.:

P1

P2

P3

P4

P5

p/n 215630001

p/n 21563006

p/n 215630006

Soon to be replaced by p/n 21563017

p/n 21563014

p/n 21563012

p/n 21563006

EZ 200

p/n 213660018

p/n 215136008

VMC

p/n 214951001

Coin Mech

p/n 214977001

or

Contact p/n 215139015

Bill Acceptor

p/n 215635012

Bill Acceptor

Bill Acceptor
RMI-MACHINE INSTALLATION

RMI 2000 / 8050
MEI EASITRAX Remote Data Port Installation

This machine **only** utilizes the Cash Only Option.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 100 LMM</td>
<td>213663003</td>
</tr>
<tr>
<td>ACD Cable</td>
<td>215634009</td>
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<tr>
<td>RMI Kit</td>
<td>216422002</td>
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<tr>
<td>Kit consist of:</td>
<td></td>
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<tr>
<td>MDB Power Interface Cable</td>
<td>215630001</td>
</tr>
<tr>
<td>Power Tap Adapter</td>
<td>215631014</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>LMM Interface Cable</td>
<td>215638007</td>
</tr>
<tr>
<td>Cup Drop Monitor Cable</td>
<td>215138046</td>
</tr>
<tr>
<td>Soon to be replaced by 215635017</td>
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</tr>
</tbody>
</table>

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

6). Installing the ACD cable (p/n 215634009):
   - Connect the 6 pin ACD connector at the end of the MEI coin mech harness to the mating 6 pin connector on the ACD cable tap.*

**WARNING**

Do **Not** drill into high voltage wiring when drilling any necessary mounting holes.
- Connect the ACD Cable tap connector marked P3 to the mating 10 pin connector of the electromechanical “Stub” harness (p/n 215636003) that is already attached to P4 of the Remote Data Port.

7). Secure the ACD harness using wire ties.

8). To connect power to the Remote Data Port, make the following connections:
Plug in the 6 pin MDB end of the 24V supply cable (p/n 215631014) into the MDB connector on the MDB power cable (p/n 21563001).
Using the supplied 3M J-hook strips, attach the EZ 100 LMM module (p/n 213663003) near the top hinge of the machine’s door. Make sure that the location of the EZ 100 LMM does not impede machine operation.
Connect the 2 pin plug of the installed 24V supply cable (p/n 215631014) to the 2 pin connector on the front, left side of the EZ100 LMM (p/n 213663003).

9) With the latch facing up, connect the 16 pin connector of the RMI 8050 Cup drop Monitor cable (p/n 215138046) into the EZ100 LMM at the front, center opening. Connect the other end to the machine door harness.

10). Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

11). Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

12). Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

* Coin Changer:
Call our technical support help desk for instructions when connecting to a coin changer manufactured by a company other than MEI.

**Configuration:
Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.

RMI-MACHINE INSTALLATION
Rowe 448E Series Vending Machine
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 15.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>12 Pin Micromech Cable*</td>
<td>215630006</td>
</tr>
<tr>
<td>Rowe 448 Kit</td>
<td>216420008</td>
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<td>Kit Consist of:</td>
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<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
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<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
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<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>Rowe 448 Power Tap</td>
<td>214948001</td>
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</tbody>
</table>

*Note: The 12 Pin Micromech Cable can be used with MEI and Coinco Products.

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.
2). Power off the vending machine.
3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).
4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).
5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.
6). Connect the 12 Pin Micromech Cable (p/n 215630006) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.*
7). Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

---

**WARNING**

Do Not drill into high voltage wiring when drilling any necessary mounting holes.
8) Connect the Rowe 448 Power Tap (p/n 214948001) from the 24V Supply Cable (p/n 215631014) to the Vending Machine.

9). Secure harnesses as required using wire ties.

10). Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

11). Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

12). Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

*Coin Changer & Bill Acceptor:

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.
Rowe 448E2 Series Vending Machine  
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 15.

**Required Components:**

<table>
<thead>
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<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
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<tr>
<td>12 Pin Micromech Cable*</td>
<td>215630006</td>
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<tr>
<td>VFM Interface Cable</td>
<td>214977001</td>
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<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Rowe Interface Cable</td>
<td>215130006</td>
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<tr>
<td>Rowe 448 Kit</td>
<td>216420008</td>
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<td>Kit Consist of:</td>
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<td>MDB Power Cable</td>
<td>215630001</td>
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<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
</tr>
<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>Rowe 448 Power Tap</td>
<td>214948001</td>
</tr>
</tbody>
</table>

*Note: The 12 Pin Micromech Cable can be used with MEI and Coinco Products.

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

6) Connect the 12 Pin Micromech Cable (p/n 215630006) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data P4 Connector.*

- **WARNING**
  - Do Not drill into high voltage wiring when drilling any necessary mounting holes.

*Soon to be replaced by p/n 215635017
ROWE-MACHINE INSTALLATION

7) If you have a VFM bill acceptor, connect the VFM Interface cable (p/n 214977001) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.*

If you have a Rowe bill acceptor, connect the Rowe Interface cable (p/n 215130006) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.

8) Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

9) Connect the Rowe 448 Power Tap (p/n 214948001) from the 24V Supply Cable (p/n 215631014) to the Vending Machine.

10). Secure harnesses as required using wire ties.

11). Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

12). Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

13). Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

*Coin Changer & Bill Acceptor:

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.

Rowe 5900 Series Snack Machine
Remote Data Port Installation

This machine can utilize the Full Option and Cash Only Option. If you are utilizing the Full Option perform steps 1 through 14.

**Required Components:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEI EASITRAX Remote Data Port</td>
<td>216173001</td>
</tr>
<tr>
<td>MEI EASITRAX EZ 200</td>
<td>213662012</td>
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<tr>
<td>15 Pin Micromech Cable*</td>
<td>215639010</td>
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<tr>
<td>VFM Interface Cable</td>
<td>214977001</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Rowe Interface Cable</td>
<td>215131031</td>
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<td>Rowe 5900 Kit</td>
<td>216421011</td>
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<td>Kit Consist of:</td>
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<tr>
<td>MDB Power Cable</td>
<td>215630001</td>
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<tr>
<td>24V Supply Cable</td>
<td>215631014</td>
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<tr>
<td>Electro-Mechanical “Stub” Harness</td>
<td>215636003</td>
</tr>
<tr>
<td>Motor Monitor Cable</td>
<td>215635012</td>
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<tr>
<td>Rowe 4900 Power Tap</td>
<td>215133030</td>
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<tr>
<td>Rowe 7x10 Motor Matrix Cable</td>
<td>215133013</td>
</tr>
<tr>
<td>Bill Validator Extension</td>
<td>215139032</td>
</tr>
</tbody>
</table>

*Note: The 15 Pin Micromech Cable and the VFM Interface Cable can be used with MEI and Coinco Products.*

**Installation Instructions**

1). Verify proper operation of the payment system. Perform a vend utilizing the bill validator and coin mech.

2). Power off the vending machine.

3). Install the Electro-Mechanical “Stub” Harness (p/n 215636003) to the P4 connector of the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

4). Install the MDB power cable (p/n 215630001) into the plug marked P1 on the Remote Data Port (Observe orientation of the key. Ridge connector must face up).

5). Using supplied Velcro, attach the remote data port (p/n 216173001) to the machine. Make sure that the location of the remote data port does not impede machine operation.

---

**WARNING**

Do Not drill into high voltage wiring when drilling any necessary mounting holes.

---

*Soon to be replaced by p/n 215635017*
6) Connect the 24V Supply Cable (p/n 215631014) to the MDB power Cable (p/n 215630001) coming from the P1 connector on the Remote Data Port.

7) Connect one end of the 15 Pin Micromech Cable (p/n 215639010) from the MEI coin changer to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.* Connect the other end of the 15 Pin Micromech Cable (p/n 215639010) from the MEI coin changer to the 24V Supply Cable (p/n 215631014).

8) If you have a VFM bill acceptor, connect the VFM Interface cable (p/n 214977001) from the bill Acceptor to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector.* If you have a Rowe bill acceptor, connect the Rowe bill validator extension (p/n 215139032) to the Electro-Mechanical “Stub” Harness (p/n 215636003) coming out of the Remote Data Port P4 Connector. Then connect the bill validator extension (p/n 215139032) to the Rowe 5900 bill validator cable (p/n 215131031).

9) Connect the Motor Monitor Cable (p/n 215635012) from the Electro-Mechanical “Stub” Harness (p/n 215636003) to the EZ 200 (p/n 213660018).

10) Connect the Rowe 7 X 10 Motor Matrix Cable (p/n 215133030) between the EZ 200 (p/n 213660018) and the Vending Machine. Using supplied Velcro, attach the EZ 200 to the machine near the data port. Make sure that the location of the EZ 200 does not impede machine operation or the closing of the cabinet door.

11) Secure harnesses as required using wire ties.

12) Power on the vending machine. A solid green LED should be visible through the DEX socket (J1) located on the front of the data port.

13) Configure the remote data port by using the Palm-Based MEI EASITRAX RDP Installation Application.**

14) Verify the Remote Data Port installation by using the Palm-Based MEI EASITRAX RDP Installation Application.

**Coin Changer & Bill Acceptor:**

Call our technical support help desk for instructions when connecting to a coin changer and/or bill acceptor manufactured by a company other than MEI.

**Configuration:**

Details pertaining to the configuration of the Remote Data Port are covered in the section “Palm-Based Installation Application”.
Dex Socket (J1)

P 1
P 2
P 3
P 4
P 5

Soon to be replaced by
p/n 215635017

VFM p/n 214977001 or Rowe p/n 215131031
p/n 215133030
p/n 215139032
p/n 215631014
p/n 215630001
p/n 215636003
p/n 215630001

Bill Acceptor
EZ 200
p/n 213660018
p/n 215639010
p/n 215635012
p/n 215636002

Coin Mech
p/n 21513030

VMC
p/n 216173001

Part No. 216173001

Technical Support 1-800-345-8172
www.meieasitrax.com

Remote Data Port Page-35
Revision G2
COMPLIANCE

USA, (902-928Mhz) -

FCC ID: QP8MEI915WLAN

“This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.”

“Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.”

Canada, (902-928Mhz) -

Canada: MEI915WLAN

“This Class B digital apparatus complies with Canadian ICES-003.”

“Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.”

“Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.”

“This device has been designed to operate with an antenna having a maximum gain of 0 dB. Antennas having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.”

In order to comply with CFR47 part 1.1310, antennas shall be installed so that a separation distance of 20cm (8 inches) is maintained from individuals during normal use.