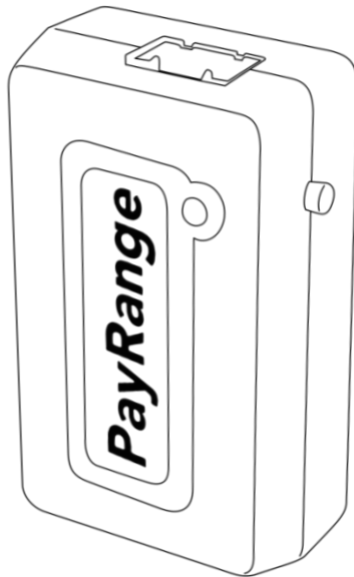




BluKey™ Pulse / Pro Pulse RelayModule Laundry Installation Guide

Laundry Relay Module NO/NC



BluKey™ Pro Pulse



BluKey™ Pulse

Coin Operated Pulse-Type Equipment

PayRange Laundry System

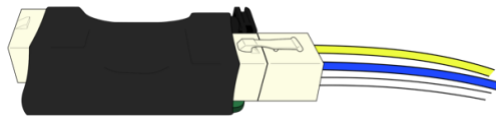
BluKey™ Pulse



BluKey™ Pro

Laundry Interface Kit

Relay Module
w/ Harness



Coin-Op Machine



BluKey device accepts payment from PayRange mobile app. Laundry Interface Kit (includes Laundry Interface Module and Cable Harnesses) connects BluKey to Laundry Machine and converts electrical signals between them.

Objective

This guide was created to help complete the following steps:

1. Install PayRange Laundry Interface Kit and BluKey Pulse device
2. Register BluKey using App
3. Configure Price and Pulse Settings
4. Test Mobile Payment
5. Troubleshoot

Tools Required



Smartphone with
PayRange App (Android
and iOS only)



PayRange Operator Account



Machine Service Key and/or
Required Tools for Control
Panel Access



- Tongue-and-Groove Pliers (such as CHANNELLOCK)
- Multimeter
- Wire Cutters

Parts Required

BluKey™ Pulse



or



BluKey™ Pro

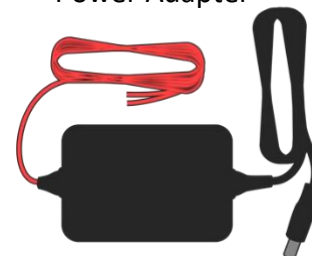
RelayModule NO/NC Universal



or



High or Low Voltage
Power Adapter



Installation Overview

The BluKey (BK) Pulse device can be installed as a cashless, mobile payment option in coin-operated laundry appliances that use a pulse payment system. BK Pulse credits a machine by sending pulses, working the same way as if cash has been inserted. Using the RelayModule Harness Kit, the BluKey device can be connected to the coin acceptor to allow coin pulses to pass through unimpeded, while upgrading your machine to also accept mobile payments. **The machine must have a coin acceptor to be compatible with the PayRange RelayModule.**

Note: Coin acceptor must be pulse-type, RelayModule cannot interface with serial or MDB hardware.

****Note: Ignore the twisted yellow/white pair of wires located on the RelayModule Harness for BluKey Pro (these wires will not be used at this time).**



Installation Steps

IMPORTANT: PayRange service requires data connection on a user's mobile device. Prior to installation, verify location has adequate cellular reception or a WiFi network that users can access. If mobile web browser can load a website relatively quickly, data connection should be adequate.

Step 1: Prepare Machine

- Completely disconnect power (unplug or turn off breaker)
- Open machine control panel or lid to access coin acceptor and locate a power source

Step 2: Locate Power Source and Connect Adapter

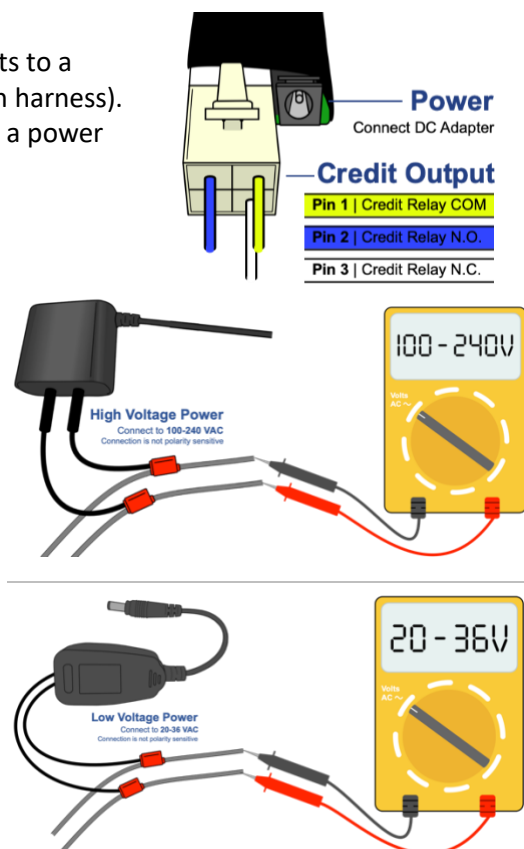
The RelayModule is equipped with a DC jack which connects to a **High Voltage** or **Low Voltage** power adapter (included with harness). Do not attempt to modify the power connector or connect a power adapter that was not provided by PayRange.

Input Range

- **Low Voltage: 20-36 VAC/VDC**
- **High Voltage: 100-240 VAC**

1. Use the machine wiring diagram and a voltmeter to locate a wire pair carrying constant power within the appropriate voltage range
Note: A label on a power transformer can be very helpful to identify voltages present. A section showing common power connections coming soon, bookmark [this link](#) and check back for updates.

2. Connect one input wire from the power adapter to one of the machine power supply wires
3. Connect remaining power adapter input wire to remaining power supply wire
4. Connect power adapter to Relay Module DC jack



Step 3: Connect BluKey to Relay Module. (Configure Laundry Interface Module if applicable)

Switches must be set to match install scenario. Incorrect settings may cause BluKey (BK) to behave unexpectedly.

Switch 1:

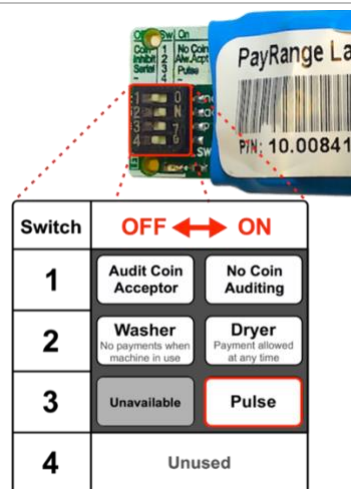
- Ensure it is set to **ON** position.

Switch 2:

- Ensure it is set to **ON** for **ALL** machines.

Switch 3: Set **ON** for all machines.

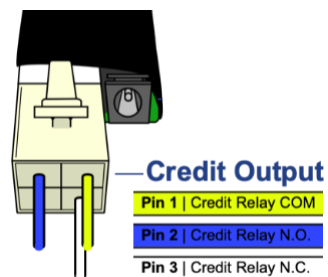
Switch 4: Unused



Step 4: Identify Coin Acceptor Type and Connection Method

The Relay Module harness has three wire leads for credit output. Only two will be used for any installation depending on coin acceptor type (COM & NO or COM & NC):

- Pin 1. Relay Common (COM)
- Pin 2. Relay Normally Open (NO)
- Pin 3. Relay Normally Closed (NC)



This guide splits coin acceptors into four categories: Optical Sensor, Microswitch, Coin Slide, and Third-Party. Determine machine coin acceptor type based on the category descriptions, then proceed to the respective section for connection method.

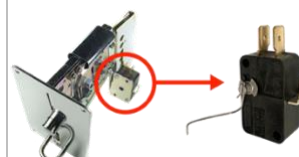
Optical Sensor: One coin inserted at a time, coin drops from chute through optical sensor opening, typically have three or four wire leads (some older optical sensors used five wire leads)

[Jump to Optical Sensor wiring section](#)



Microswitch: One coin inserted at a time, coin drops through chute and hits a wire lever/actuator, typically only two wire leads (there are three connection terminals, but only two are used)

[Jump to Microswitch wiring section](#)



Coin Slide: Multiple coins inserted at once, coins placed vertically in slide mechanism which can then be fully pushed in. Not all coin slides are compatible, see section for more information.

[Jump to Coin Slide wiring section](#)



Third-Party: This category includes retro-fit, aftermarket and multiple-denomination coin mechanisms.

Such as Imonex, Setomatic, Keltner Research, etc.

[Jump to Third-Party wiring section](#)



Step 5: Verify installation

- Leave control panel open and restore machine power
- Verify solid blue LED on BluKey

If status LED is off, flashing, or incorrect color, see **Troubleshooting / Light Codes** on page 18

Step 6: Verify Machine Operation

Follow recommended procedure on page 15 to test mobile and coin payment

Common Optical Sensors

Optical sensors are the most common type of laundry coin acceptor. Locate the illustration that matches the machine's coin acceptor and connect as shown.

Optical sensors may have three, four or five wire leads. Click link to jump to relevant section.

[Three Wire Sensor](#)

[Four Wire Sensor](#)

[Five Wire Sensor](#)

Three Wire Optical Sensors

Red, Blue & Green Wires

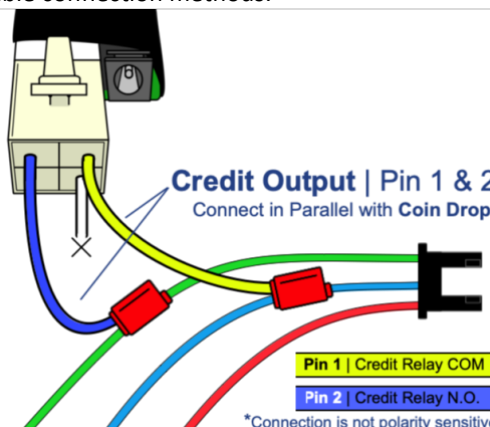


Commonly used by multiple manufacturers, three possible connection methods.

Method 1 (most common)

Manufacturers: Speed Queen, Huebsch, Ipso, Unimac, Dexter, ADC, Maytag (ADC-built)

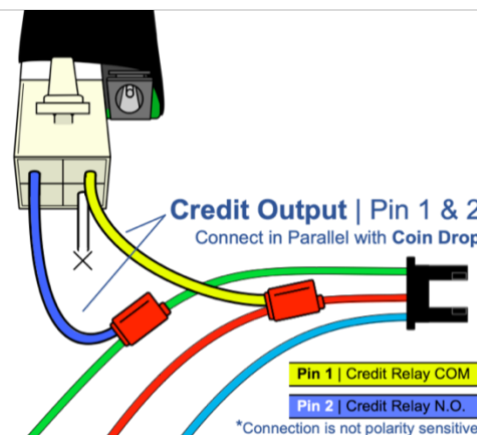
1. Connect yellow wire (pin 1) to coin blue or coin green (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin green or blue
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Method 2

Used in Primus models (not manufactured for Maytag)

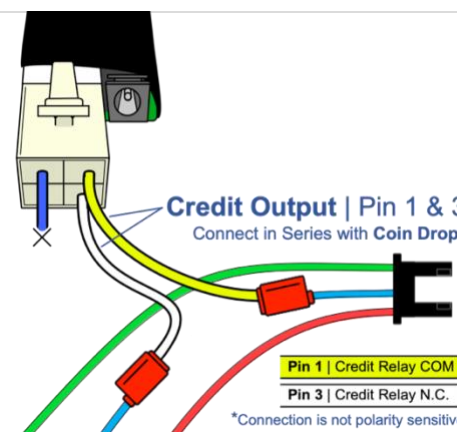
1. Connect yellow wire (pin 1) to coin red or coin green (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin green or red
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Method 3

Used in Maytag models manufactured by Primus

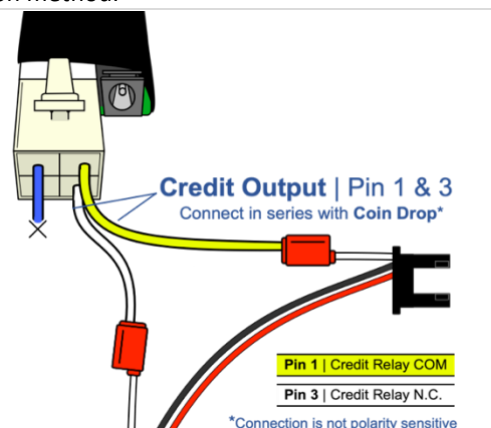
1. Start by cutting the coin blue wire
2. Connect yellow wire (pin 1) to one end of coin blue wire (connection is not polarity sensitive)
3. Connect white wire (pin 3) to remaining end of coin blue wire
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine



Red, Black & White Wires

Common in Alliance brands (Speed Queen, Huebsch, Ipso, Unimac, Raytheon, Econ-O-Wash, Cissel), also used by other manufacturers. One known connection method.

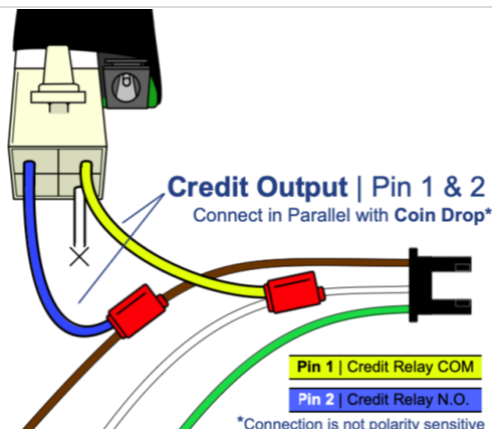
1. Start by cutting the coin white wire
2. Connect yellow wire (pin 1) to one end of coin white wire (connection is not polarity sensitive)
3. Connect white wire (pin 3) to remaining end of coin white wire
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine



Brown, Green & White Wires

Common in Laundrylux brands (Wascomat, Electrolux). One known connection method.

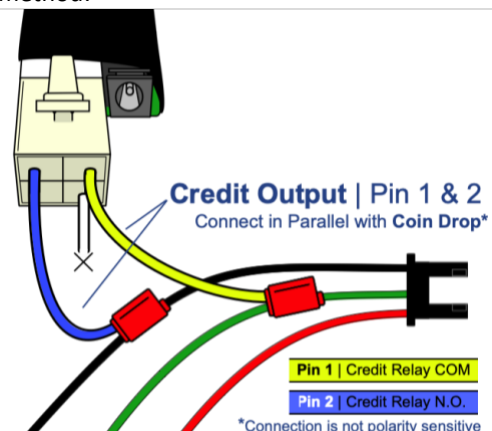
1. Connect yellow wire (pin 1) to coin white or coin brown (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin brown or white
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Red, Black & Green Wires

Common in older ADC models. One known connection method.

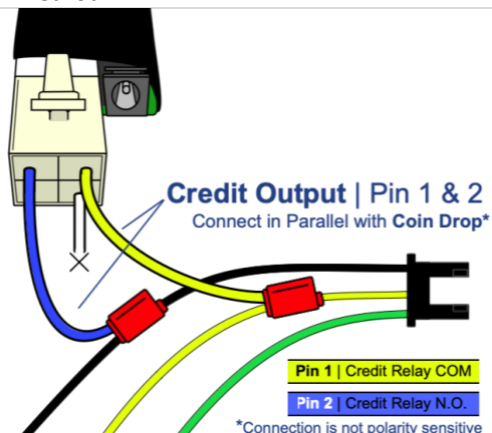
1. Connect yellow wire (pin 1) to coin green or coin black (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin black or green
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Green, Yellow & Black Wires

Common in Continental models. One known connection method.

1. Connect yellow wire (pin 1) to coin yellow or coin black (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin black or yellow
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine

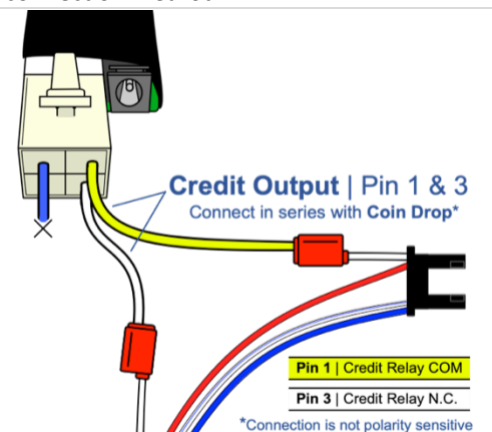


Four Wire Optical Sensors

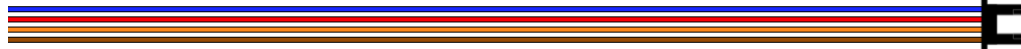
Red, White, Blue & White/Blue Wires

Common in Maytag and Whirlpool models. One known connection method.

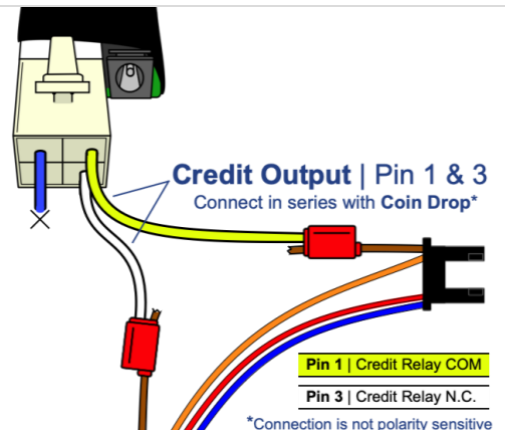
1. Start by cutting the coin white wire (solid white, not white/blue)
2. Connect yellow wire (pin 1) to one end of coin white wire (connection is not polarity sensitive)
3. Connect white wire (pin 3) to remaining end of coin white wire
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine



Blue, Red, Orange & Brown Wires



Common in Laundrylux brands (Wascomat, Electrolux) and Setomatic aftermarket acceptors. One known connection method.

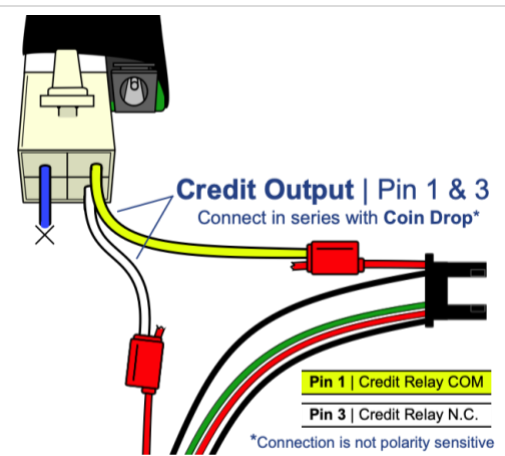
1. Start by cutting the coin brown wire	
2. Connect yellow wire (pin 1) to one end of coin brown wire (connection is not polarity sensitive)	
3. Connect white wire (pin 3) to remaining end of coin brown wire	
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine	

Five Wire Optical Sensors

Green, Two Red & Two Black Wires



Used in older Alliance and ADC equipment. One known connection method.

1. One side of the sensor has two wires (Red & Black), the other side has three (Red, Black & Green). Start by cutting the red wire on the side with two wires.	
2. Connect yellow wire (pin 1) to one end of cut red wire (connection is not polarity sensitive)	
3. Connect white wire (pin 3) to remaining end of cut red wire	
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine	

Microswitch Coin Acceptors

Common in Dexter equipment, also used by other manufacturers. A microswitch typically has three terminal contacts but only two are used. Each terminal identifier should be printed or etched on one side of the switch.

Figure 1 shows the most common pinout, but some switches have NC and NO reversed.

Dexter uses the pinout shown; if the machine is not Dexter, check markings on switch to verify terminal orientation prior to install.

NO: Normally Open

NC: Normally Closed

COM: Common (always used)

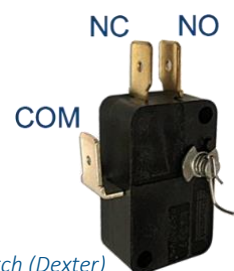
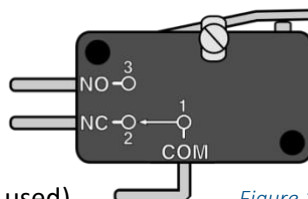


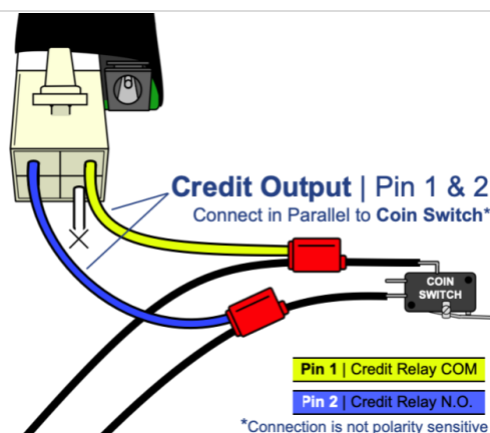
Figure 1: Microswitch (Dexter)

Normally Open (NO) Connection

Almost all microswitch acceptors are wired NO and use this connection method.

DEXTER machines are usually wired in NO orientation. Sometimes they're NC but work either way. If switch is wired NC, remove the wire from NC terminal and connect to NO, then insert a coin or press the switch manually to verify the machine still receives credit. If it does, use the NO connection method; if it does not, move the wire back to the NC terminal and use the NC connection method.

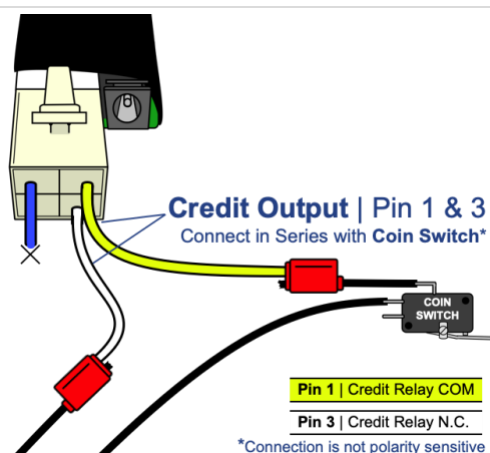
1. Connect yellow wire (pin 1) to a wire connected to either COM or NO terminal (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to a wire at opposite terminal (NO or COM)
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Normally Closed (NC) Connection

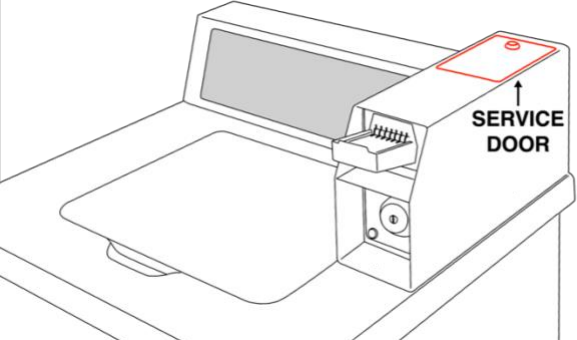
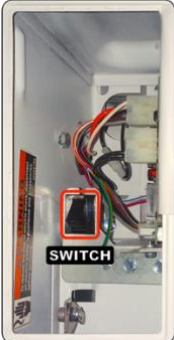
Not common.

1. Start by cutting either coin switch wire
2. Connect yellow wire (pin 1) to one end of cut wire (connection is not polarity sensitive)
3. Connect white wire (pin 3) to remaining end of cut wire
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine



Coin Slides

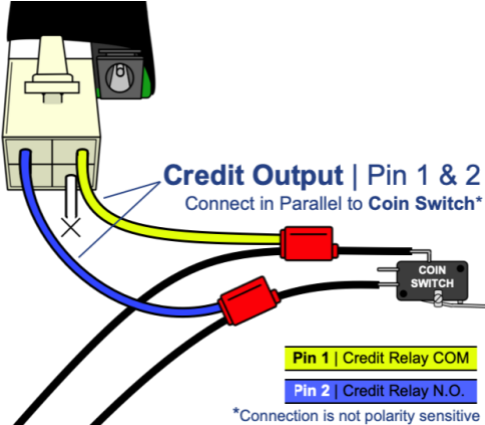
Compatible coin slides activate an electronic timer. Mechanical timer coin slides are not compatible with the RelayModule harness. Timer type can be verified by looking under the service door.

Service Door Location	Electronic Timer (Compatible)	Mechanical Timers (Not compatible)
		

Electronic timers usually have a switch behind the slide, but some use an optical sensor. Fish wiring through conduit so PayRange hardware can be placed behind the control panel and not under the service door where it may obstruct coin slide movement.

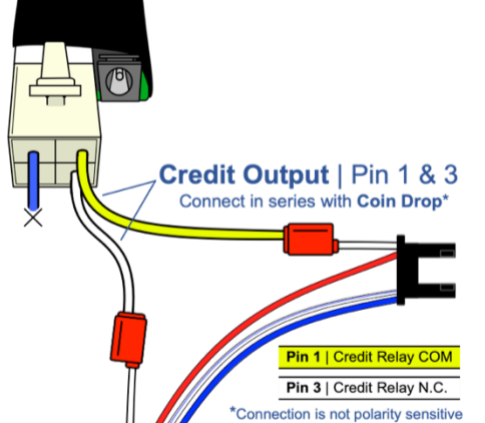
Coin Slide Switch Connection

Wires will be connected to two terminals on the switch.

1. Connect yellow wire (pin 1) to a wire connected to either switch terminal (connection is not polarity sensitive)	 Credit Output Pin 1 & 2 Connect in Parallel to Coin Switch* Pin 1 Credit Relay COM Pin 2 Credit Relay N.O. *Connection is not polarity sensitive
2. Connect blue wire (pin 2) to a wire connected to remaining switch terminal	
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine	

Coin Slide Optical Sensor Connection

Common in Maytag and Whirlpool coin slide models.

1. Start by cutting the coin white wire (solid white, not white/blue)	 Credit Output Pin 1 & 3 Connect in series with Coin Drop* Pin 1 Credit Relay COM Pin 3 Credit Relay N.C. *Connection is not polarity sensitive
2. Connect yellow wire (pin 1) to one end of coin white wire (connection is not polarity sensitive)	
3. Connect white wire (pin 3) to remaining end of coin white wire	
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine	

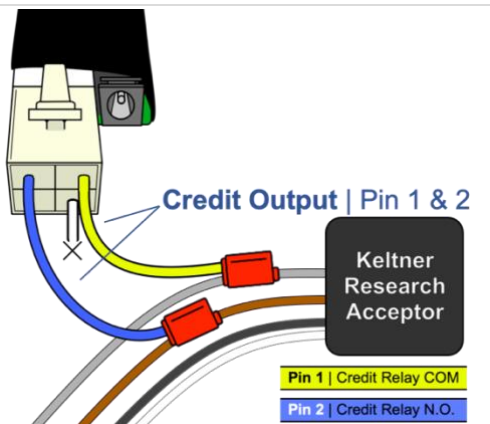
Third-Party Coin Acceptors

This section includes information for Keltner Research, Setomatic, Imonex, Münzprüfer, Slugbuster and GinSan units, and may be limited to specific models. For assistance with a third-party coin acceptor not addressed in this guide, please email LDecodes@payrange.com.

Keltner Research (KR)

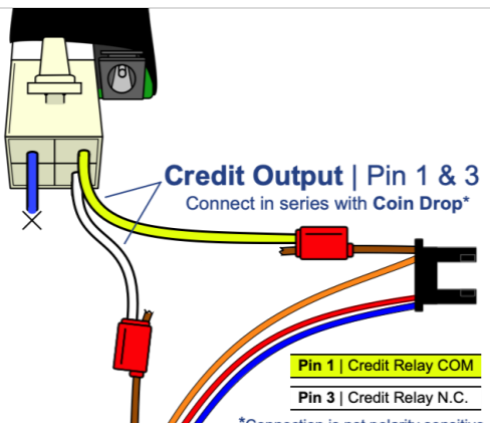
Coin pulses are accumulated by the KR unit which then sends a single start pulse after vend price is satisfied. The BluKey device must be programmed with only a single price option that sends one pulse, and Pulse On set to 1000 milliseconds (ms).

There are several KR models, but all have a brown and gray wire. Some wire to an external black box which then connects to the machine – make connections between black box and machine controller.

1. Connect yellow wire (pin 1) to the KR gray wire	
2. Connect blue wire (pin 2) to the KR brown wire	
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine	

Setomatic

Setomatic coin acceptors use a common optical sensor.

1. Start by cutting the coin brown wire	
2. Connect yellow wire (pin 1) to one end of coin brown wire (connection is not polarity sensitive)	
3. Connect white wire (pin 3) to remaining end of coin brown wire	
4. Tie unused blue wire (pin 2) to prevent contact with any part of the machine	

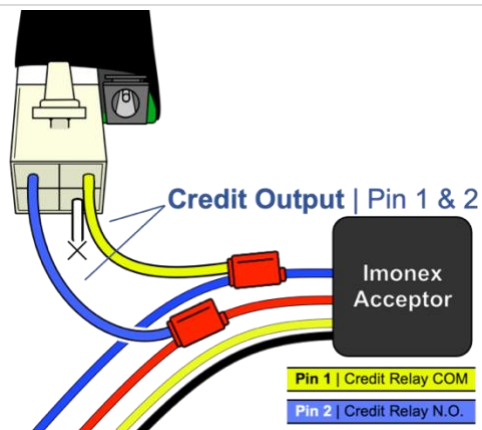
Imonex

Imonex coin acceptors are common in Dexter and Laundrylux (Wascomat/Electrolux) equipment and have varying wire colors. Illustrations below show common wire colors and connection methods.

Imonex with Black, Yellow, Red & Blue Wires

Common in Dexter equipment, may be found in machines from other manufacturers.

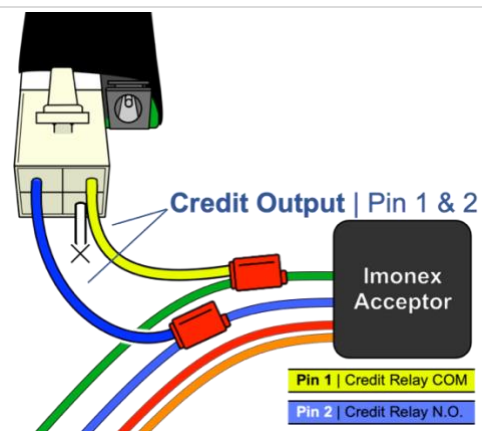
1. Connect yellow wire (pin 1) to Imonex blue or red (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining Imonex red or blue
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Imonex with Black, Yellow, Red & Blue Wires

Common in Dexter equipment, may be found in machines from other manufacturers.

1. Connect yellow wire (pin 1) to Imonex green or blue (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining Imonex blue or green
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine

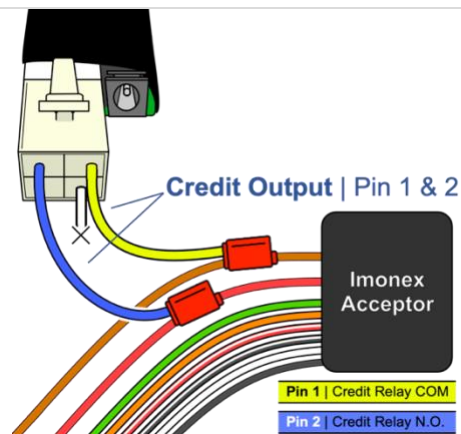


Imonex with Eight Wires

Brown	Red	Green	Orange
Red/White	Black/White	White	Black

Common in Laundrylux equipment (Electrolux/Wascomat)

1. Connect yellow wire (pin 1) to Imonex brown or red (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining Imonex red or brown
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



Fagor with Münzprüfer Coin Mech

1. Connect yellow wire (pin 1) to coin yellow or coin brown (connection is not polarity sensitive)
2. Connect blue wire (pin 2) to remaining coin brown or yellow
3. Tie unused white wire (pin 3) to prevent contact with any part of the machine



BluKey™ Laundry Installation

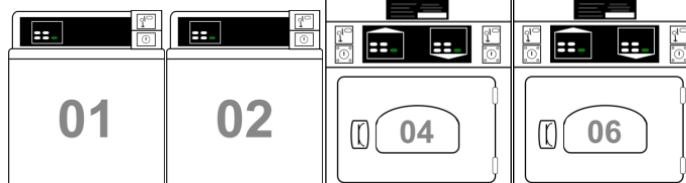
APPENDIX

Affixing Machine Decals
 BluKey Configuration
 Price and Pulse Settings
 Price Settings
 Pulse Settings
 Examples
 Testing After Installation
 Troubleshooting / Light Codes
 Setting BluKey Mode
 Using 3M™ Scotchlok™ IDC Tap Connectors
 Contacting Support

Affixing Machine Decals

- **Number Decal** – a unique number decal must be affixed to every laundry machine equipped with PayRange. Number decal not used for vending applications.
 - The decal should be placed on the machine in an area that is easily visible (near the coin slot is recommended) and that makes it obvious which machine the number is for.
 - Number machines left-to-right and top-to-bottom to make it easier for customers to locate machines. For stacked machines that require two devices, top machine should be lower number.

Note: Dexter and Maytag stacked machines only require a single device, and therefore should have a single number decal



- **First Purchase Free Decal** – this decal should be used only if the ‘New User Program’ is enabled on the operator account.
 - The New User Program allows brand new PayRange users to make a single transaction without adding funds and is a great way to incentivize mobile pay adoption.
 - To enable/disable feature, and set the maximum amount for transaction: login to Manage Console → select “Rewards” → select “New User Program”

BluKey Configuration

Device registration and setup can be done before (recommended) or after installation using the PayRange App (recommended) or the Manage Dashboard.

An operator account must be created before devices can be registered (create operator account at manage.payrange.com/#/register/asOperator)

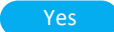
PayRange App Registration and Setup (Android & iOS)

Login to app using operator credentials to access the operator mode.

Depending on number of devices being registered, it can be helpful to create price profiles prior to registration but is not required (see [Operator Setup Guide](#)).

1. Open PayRange App menu (tap  icon in upper left) and select **Register Device**
2. **Device Information**
 - a. **Serial Number & PIN:** tap  to capture barcode for Serial Number and PIN (or enter manually)
 - b. **Machine ID:** optional field for internal machine tracking (not visible to consumers)
 - c. **Position:** enter number decal that will be affixed to machine (only one per Maytag stack).
Machines at same location must have unique number.
3. **Machine Information**
 - a. **Category:** select industry (Laundry)
 - b. **Subcategory:** select machine type
 - c. **Service Location:** optional
 - d. **Machine Display Name:** autofill **Subcategory + Position** (ex. "Washer 01"), can be edited
 - e. **Scan-to-Pay:** automatically populates based on Position ID set previously
 - f. **Harness:** Select PayRange Harness K18 (located on PayRange harness white label)
 - g. **Protocol:** Select Pulse or Serial (machine manufacturer) for proper protocol
4. **Location Information**
 - a. **Location Name:** location where device is installed (visible in consumer transaction history)
 - b. **Address:** enter location address
 -  - fill address using phone location
 -  - fill location name & address based on last device registered
5. **Device Preview:** image of machine number populates based on Position ID (it is not recommended to take picture for laundry installations)
6. **Pricing:** select a premade profile, edit a sample profile, or enter fields manually. Device must be set to match machine pricing and options (see pages 17 & 18 for price and pulse settings).
7. **Device Registration Complete** - Success dialog appears:

Would you like to register another [machine] with same settings & pricing?

 -  - copies Machine, Location and Price settings to next device, Position number increases by one
 -  - register a device for a machine with different settings

Price and Pulse Settings

Price Settings

Description: Choose option that best matches machine cycle type

Amount: The dollar amount that the user will be charged

Pulses: Number of pulses the BluKey sends per transaction (most machines receive 25¢ per pulse).

#Pulse should be set to "1" when machine has a coin slide regardless of machine price.

Credits: Only available for certain Descriptions (Credit, Quarter, Minutes). The Credits value will be displayed in the app (e.g., "2 Quarters \$0.50", "10 Minutes \$1.00").

Cycle Time (in minutes): After paying, app displays timer corresponding to this field. Enter machine cycle time or set Cycle Time as '0' to disable app timer.

Timer Type:

Reset: App timer will reset regardless of time remaining (starts a new timer cycle)

Add-on: Time will be added on to the time remaining for app timer

Default: Set the default price row to display in app

Pulse Settings (under 'Advanced' tab in App)

Cash Value Per Pulse: Denomination of coin acceptor being audited (set as '0' for no coin)

Pulse On (default is 100ms): Duration of each pulse in milliseconds (common settings below)

Pulse Off (default is 100ms): Duration of pause in between each pulse in milliseconds

Harness	Relay Module (Universal for most brands)	K13/K16 Maytag	K15 LG	K11/K12 Alliance
Pulse On	50ms	25ms	50ms	100ms
Pulse Off	300ms	100ms	100ms	100ms

Pulse Inhibit Threshold (default is 1200ms): Threshold for machine inhibit pulse length

Pulse Max Width (default is 800ms): Maximum duration of cash pulse for auditing

Price Examples

It's recommended to add a 25¢ option for all machines for greater flexibility (Quarter, Upgrade Cycle, Extra Dry Time, Top-Off)

Washer with Tiered Pricing

Default	Description	Amount	#Pulses	Cycle Time	Timer Type ⓘ
☒	Light Cycle	2.00	8	34	Reset
☐	Med Cycle	2.25	9	37	Reset
☐	Heavy Cycle	2.50	10	40	Reset
☐	Upgrade Cycle	0.25	1	3	Add-on

Full Cycle Dryer

Default	Description	Amount	#Pulses	Cycle Time	Timer Type ⓘ
☒	Reg Dry	2.50	10	40	Reset
☐	Extra Dry Time	0.25	1	8	Add-on

Testing After Installation

It is critical to test each BluKey device to verify proper installation and setup. Use the app without adding funds by creating a Free Purchase offer (see the [Laundry Operator Introduction Guide](#) for instructions). Testing coin acceptor is also recommended, if applicable.

Recommended test procedure:

Repeat steps for all machines.

1. Select a machine from the app list. Select a 25¢ option from the price dropdown (“Quarter”, “Extra Dry Time”, “Top-Off”, “Upgrade Cycle” etc.) then swipe to pay,
2. Machine display should decrement by only 25¢ (or 1 coin).

If display decrements by more, or not at all:

- a. Verify 25¢ price row is set for 1 pulse in device pricing
 - b. Verify correct pulse timing
 - c. Verify machine is programmed as described in installation steps
3. If machine accepts coin, insert coin, and verify machine receives credit. If not successful, check connection at coin pass-through harness.
 4. Select full cycle price in app and swipe to pay again (for metered dryers, select option for at least \$1.00). Machine display should quickly decrement reflecting the amount paid (or add time to metered dryer) and allow cycle to start.

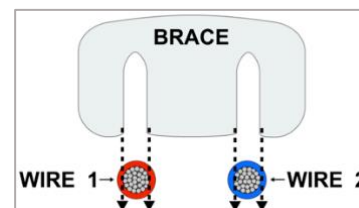
Note: if app shows “Machine in use” and does not allow additional payment, verify correct switch settings on Laundry Interface Module.

Troubleshooting / Light Codes

Symptom	LED Pattern	Cause	Solution
BluKey LED is solid blue		BluKey ready	(Normal operation)
BluKey LED does not light up	 (No power)	Bad connection between BK and LM2	Check / reconnect BluKey to LM2
		Defective LM2 or "C" harness	Replace harness kit
		Defective machine controller board	Replace machine controller board
BluKey LED is solid red		BluKey has incorrect firmware	Update firmware to match machine protocol
		Machine controller is not in serial mode	Set machine to serial mode
BluKey LED slowly flashes red	 (Disabled by machine)	Machine is running wash cycle	When cycle completes, machine will remove inhibit.
		Communication error with card reader	Connect coin input
			Power cycle machine or reset card reader
BluKey LED flashes series of red/blue		No payments for last 24 hours	Power-cycle or test with mobile transaction. Check if machine has any problems running.
BluKey LED slowly flashes blue		Communicating with App	(Normal operation)
BluKey LED slowly flashes purple		Transaction in progress	(Normal operation)
BluKey LED quickly flashes blue		Upgrading	Keep power on until done
BluKey LED quickly flashes red		BluKey hardware error	Replace BluKey
BluKey LED quickly flashes purple		Uploading transactions, Downloading upgrades	(Normal operation)
Mobile payment does not work		1. Check if BluKey is in Ready state / BluKey LED is solid blue. 2. Check if BluKey flashes "Transaction in progress" LED pattern during mobile payment. If not, check Internet / data connection on mobile device. 3. Check for correct firmware that matches machine protocol	
Machine does not accept coins		1. Check if machine accepts coins when BluKey harness is disconnected from the machine's coin harness. If not, replace coin sensor or coin acceptor assembly. 2. Check machine's wiring (a loose wire in connector pin could be causing sensor disconnects). 3. Clean optics or replace coin sensor or coin acceptor assembly.	

Using 3M™ Scotchlok™ IDC Tap Connectors

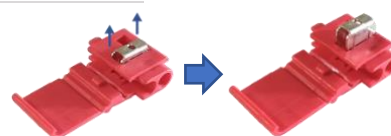
Tap splice connectors make it possible to splice anywhere along a wire without having to first cut the wire. A tap splice connector has a metal brace with two slots in it; one for each wire that goes into the connector. When the brace is crimped down it is designed to cut through the insulation only. This allows the metal brace to contact the strands of conductive wire, which connects the two wires in the connector.



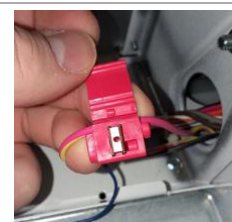
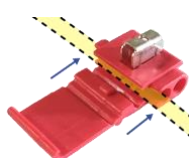
How Tap Splice Brace Connects Two Wires

Using Included Red Tap Splice Connectors

1. Make sure brace is pulled out of splice far enough so wires can be fully inserted



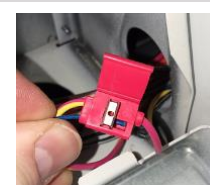
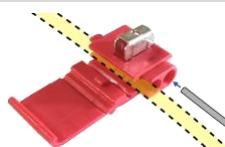
2. Insert the machine wire into the pass-through side of the connector



3. Close the first part of the tab



4. Insert a wire from BK Smart harness into the other slot of the splice connector. Push wire all the way in until it hits the stop



5. Crimp the metal brace all the way down until it is flush with the plastic part of the connector (crimp from the center to ensure brace crimps down straight and even)



6. Close the cover fully and check that the wire cannot be pulled out with a slight tug



Contacting PayRange Support

For assistance with installing and operating your BluKey devices, please contact our support group:

Technical Support: Phone: +1 (855) 856-6398 opt 3 Email: ask@payrange.com	Sales and Marketing Support: Phone: +1 (855) 856-6398 opt 2 Email: sales@payrange.com
 Training Channel This channel helps our growing PayRange community by providing resources for common support scenarios, account setup, installation, and setting up promotions. PayRange Training PayRange Support	