



Heartland
CAMPUS SOLUTIONS SM

Multi-Unit Laundry Controller

***INSTALLATION and USER'S
MANUAL***

b

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1. General Description

The Debittek Multi-Unit Laundry Controller System accepts a variety of cashless payment methods for laundry machine operation. The centralized controller can control and monitor up to 32 laundry machines.

Customers activate the cashless payment reader, enter the number of washer or dryer they wish to use, and press START. If the machine is in use, the user is prompted to either purchase additional time or make another selection.

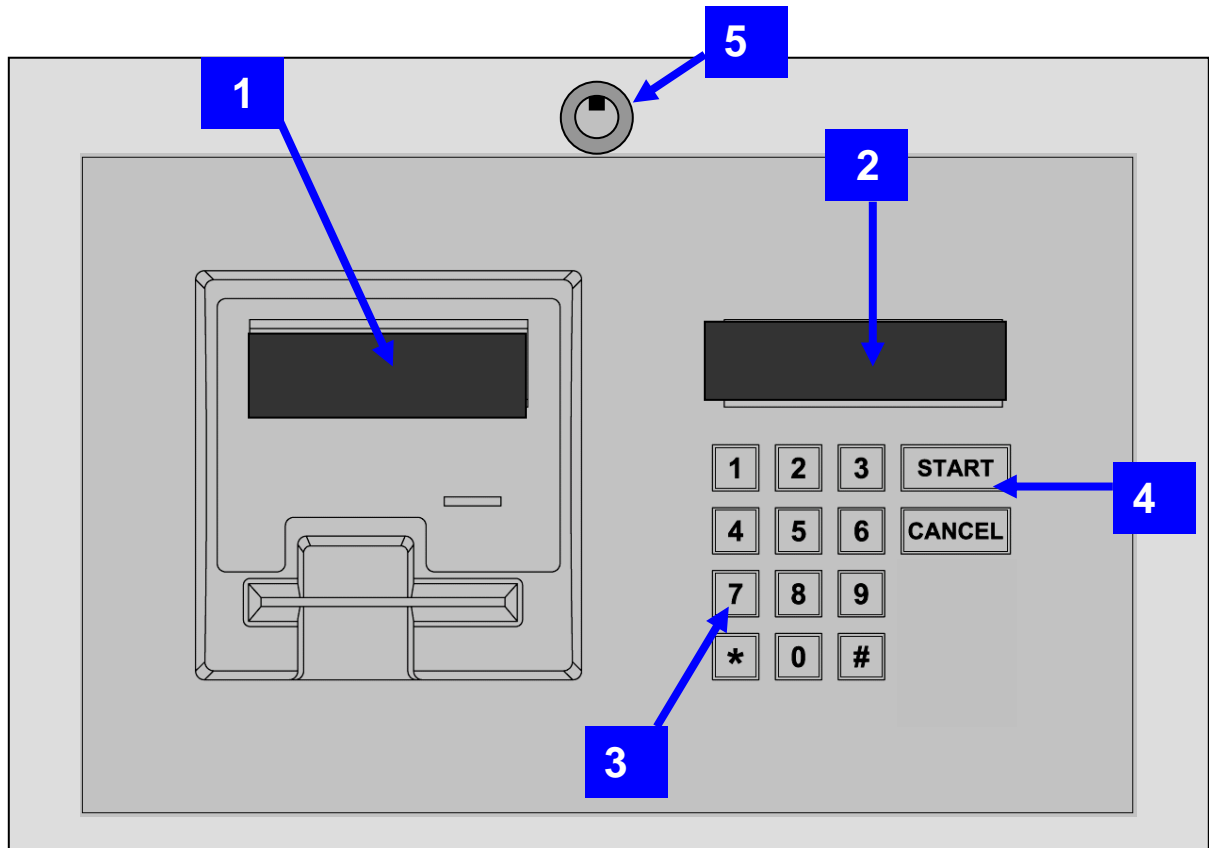
In addition to the convenience of card access, the system provides accurate sales audit trail information, security and low maintenance.

2. Specifications

Type:	Multiple machine cashless-payment laundry controller
Laundry Machine Capacity:	Controls and monitors up to 32 laundry machines.
Dimensions:	13" (w) x 12" (h) x 7" (d)
Weight:	12 lbs (maximum).
Keypad:	14-key (Standard 12 + START & CANCEL)
Power Requirements:	120 VAC 50/60 Hz
Mounting Location:	Wall
Wiring Connections:	Four ¾ inch knockouts for conduit.
Security:	Tubular key lock, all steel construction.

3. Laundry Controller

a. External Components:



1. Reader Display

Displays card/account value and some user prompts

2. Laundry Machine Display

Displays machine status, cycle price, and some user prompts

3. Key Pad –

Press numeric keys to select machine number to start/extend or check status

4. Start / Back Keys -

Press to start a selected machine

5. Tubular Lock -

Allows access to internal components

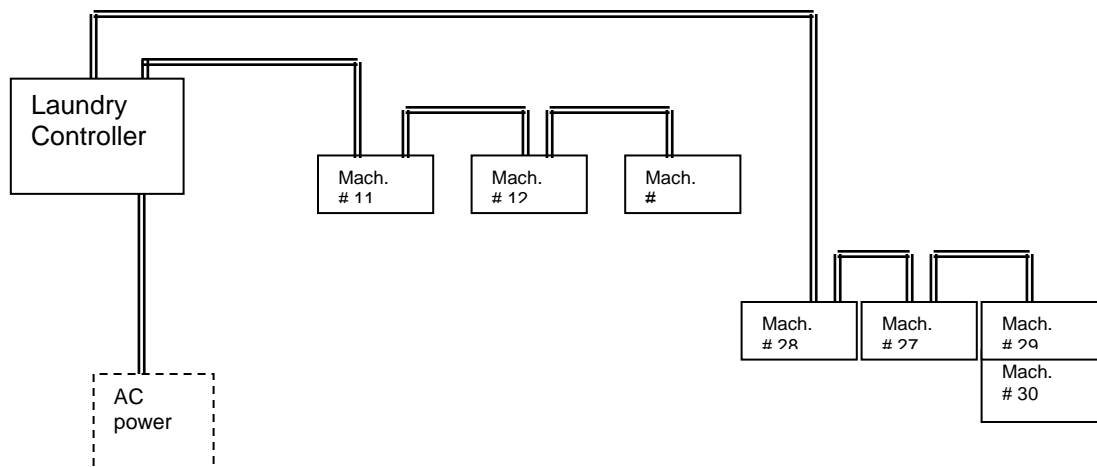
b. Internal Components:

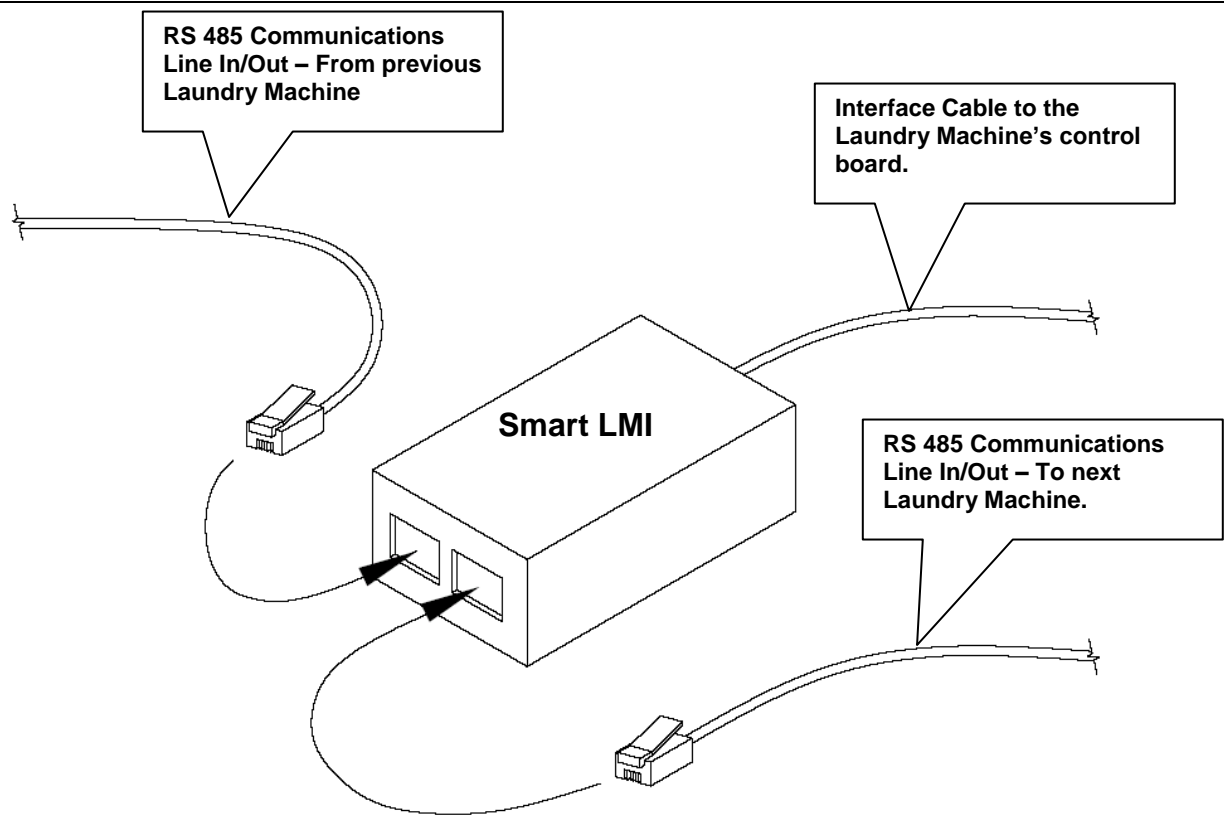
Terminal Block TB1 -	To connect the controller to the power source
Data Collector Port -	Connect the data collector onto this plug to program the unit and retrieve reports
Expansion Boards -	Contain the input and output (I/O) circuits to control the monitor laundry machines
Power Supply -	Provides DC power to the unit
Power Switch -	To turn the unit on/off

4. Site Preparation/Installation

Note: The following steps are intended for trained and authorized personnel and should be thoroughly reviewed prior to beginning site preparation and/or installation.

a. Typical Debitex Laundry Controller System:





b. Machine Numbering:

- For ease of operation the Debitex Laundry Controller is designed to accept two digit numbers only.
- When physically numbering the washers and dryers, **do not use numbers 1 through 10**. Machines must be assigned unique numbers between 11 and 74.
- Treat each dryer in a stacked pair as a separated machine.
- To ease setup and programming it is recommended that the machine be numbered sequentially.
- Shared escrow (single coin drop) stacked dryer pairs **must** be numbered sequentially.

c. Mounting the Controller:

Note: Prior to selecting the mounting location consult the appropriate party(s) to determine the proper procedures and policies concerning installation of the system.

While positioning the controller at a height which will provide a clear view of the display and convenient access to the card reader, mark the centers of the mounting holes. **Do not drill holes from inside the controllers!** Remove the controller from the wall, drill the mounting holes, then securely mount the unit.

To determine the specific type of hardware for mounting the unit, consider the weight of the controller (18 lbs.) and the type of wall to which it will be attached.

d. Controller Interface Wiring Specifications:

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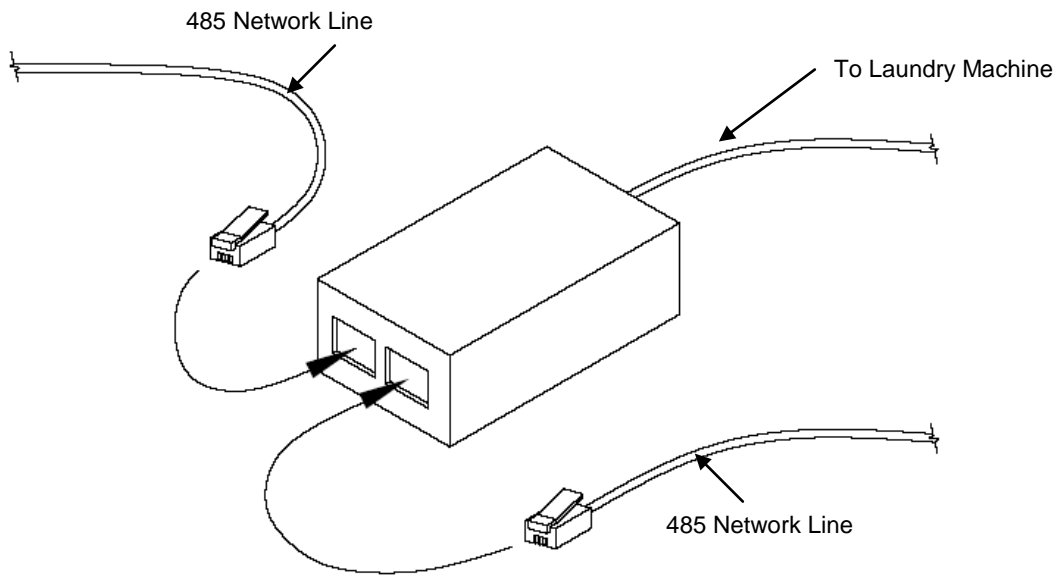
CAUTION! The type of cable approved for use by local, state and federal agencies can vary according to the specifics of each installation. Check for any codes that may apply.

5. Smart-LMI (SLMI) Installation

All interface wiring is connected to the three step terminal blocks on the expansion boards. Each expansion board has sixteen I/Os channel with three terminal connections each. The lower terminal is **common**, the middle terminal is **input**, and the upper is **output** to the laundry machine from the controller.

The type of laundry machine determines how many channels are required per unit and any special interface requirements. For example “card ready” washers and dryers use one channel for each machine and require no special interface. **If required, specific interface diagrams are provided with each Laundry Interface.**

The following Installation Wiring Diagrams are for Maytag “PD” model washers and dryers **ONLY!**



Maytag ComputerTrac 2
Stacked Dryers (PD Models)

Avail 1 Avail 2 Avail 3 Avail 4 Enable 1 Enable 2

Signals:

Avail 1 – Washer/Dryer status output to the controller

Avail 2 – Common

Avail 3 – Lower dryer status output to the controller

Avail 4 - Common

Enable 1 – Start pulse(s) input from the controller

Enable 2 - Common

Fig 4.5.2

4.6 Electrical Service Specifications:

- Although not required, a dedicated circuit for the controller is recommended.
- 14-2 wire with ground should be encased in conduit and can enter the controller at any of the eight knockouts (the lower right conduit knockout is recommended).
- Allow sufficient wire to reach the terminal block (**TB1**) on the bottom of the Power Supply.

CAUTION! Electrical services must be installed by an authorized electrician, per local codes.

4.7 Connecting the controller to the power source:

CAUTION! Before beginning these steps make sure the power cable being run is disconnected from the power source! All steps must be made by an authorized electrician, per local codes.

Programming Steps

5.2 Laundry System Master List

Maytag PD Washer	Maytag Washer model #'s ending in "PD"
Maytag PD Dryer-Top	Maytag standard capacity dryer model #'s ending in "PD", programmed w/o top off.
Maytag PD Dryer+Top	Maytag standard capacity dryer model #'s ending in "PD", programmed w/top off.
Maytag PD Stack-Top	Maytag standard capacity stacked dryer model #'s ending in "PD", programmed w/o top off.
Maytag PD Stack+Top	Maytag standard capacity stacked dryer model #'s ending in "PD", programmed w/top off.
Maytag PC/CD Dry-Top	Maytag standard capacity dryer model #'s ending in "PC or CD", programmed w/o top off.
Maytag PC/CD Dry+Top	Maytag standard capacity dryer model #'s ending in "PC or CD", programmed w/top off.
Maytag PC/CD STK-Top	Maytag Standard capacity stacked dryer model #'s ending in "PC or CD", programmed w/o top off. (Top-off not allowed in these models).