Quick Pay Users Guide

Instructions for operating the Quick Pay Controller/Credit Card Terminal Software Rev 2.03

[If you are using an earlier Rev see Appendix D]

This Terminal is used in:

- **Self Service Carwash Bays**
- **Shampoo—Fragrance—Vacuums**
- **Automatic Carwashes/Auto Cashiers**
- **Vending Machines**
- **Kiosks**
- **Commercial Laundries**

Carwash Operator must certify that the Merchant Account ID number for each Credit Card Terminal is setup before using.

Installation must be done by a qualified Electrician or qualified Technician. It is the responsible of the user of this product to assure safe operation. PaymentBay is not liable for any injury or damages caused by the use of this product.

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Setup the Telephone Service

Select an Unlimited Calling Plan such as:

- Qwest Choice™ Unlimited for Small Business
- AT&T Business Unlimited Calling Advantage
- Ask your local telephone provider about their options
  Also VoIP (Internet Phone) providers offer Unlimited Calling – many VoIP services may operate with our 300 bps Non-compressed transmission format i.e. Vonage.
- Comcast Business Class Voice or Comcast Digital Voice® VoIP
- See section on Cellular Connection Option

Quick Start five steps

The five required settings to set up the Quick Pay system.

MINIMUM REQUIRMENTS

1) Program Merchant information with Merchant Card.
   Enter Pass word #2 and press enter key
   Swipe Merchant Card
   Acknowledges: "MERCHANT PROGRAMMED"
2) Set Coin to Start, Start Time, Credit Card Amounts
   [STUP menu]
3) Selection of BAY, VAC, VEND and number is required
   [LINK menu]
4) Selection of MNTN, CENT, EAST time zone is required
   [SYST menu]
5) Turn ON the Credit Card(s) you want to process
   [MCHT menu]

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Driving Business to your car wash

Using the BONUS features can dramatically increase your Business

1) LOTO lottery give free wash time with odds you set
   [BONS menu]
2) Discount Loyalty Card (requires discount card programmed with merchant account and Card expiration date)
   [BONS menu]
3) Daily Specials can be set for any Time of Day and any Day of Week.
   [BONS menu]

Quick Programming and Setup

Set-up is fast and easily using the Remote Control and Setup Cards.

1) Credit Cards. Swiping your Merchant Setup Card automatically Sets-up your QuickPay timer to operate with your Credit Card Processor.
   [MRCH menu]
2) Setup all you running times & amounts, bonuses, daily specials and other features using the Remote Control.

3) Quickly Copy all the Setups and Configuration to all your QuickPay units with a touch of a button
   [LINK menu]

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Menu Function Overview

LINK MENU "LINK"

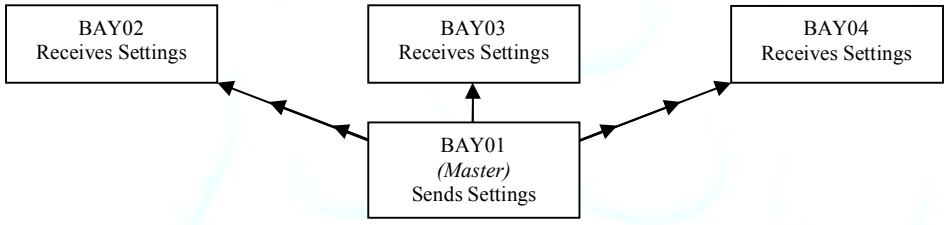
In this menu you can name each of the QuickPay Timers and then copy the Configuration from the master QuickPay Timer to all QuickPay Timers in that same Category.

CATG — Select from a list of category descriptions identifying the QuickPay Timer: (BAY, VAC, VEND, Specials)
Select an ID number after the Category i.e. 01

COPY — Push Enter QuickPay askes if you want to copy the setup to other QuickPay Timers by displaying CPY?.

CPY? — Push Enter or Mute to escape the COPY menu or push "0" (Zero) on the remote to start the copy/transfer of all settings/configuration of this [sending] QuickPay Timer to all [receiving] QuickPay Times with this category. Note: All QuickPay Timers must have the phone line connected, have the same Revision, and be of the same category in order to copy/transfer the settings.

Example:
Your Carwash has 4 Wash Bays and 6 Vacuums.
The first step is to assign the CATG & number, a Category/ID Number to each Bay and Vac.
The 4 Bays are set as: BAY01, BAY02, BAY03, BAY04.
The 6 Vacs are set as: VAC01, VAC02, VAC03, VAC04, VAC05, VAC06.
The second step is to completely setup or configure One of your Bays and One of your Vacuums. This includes:
SET-UP (Time to start, Coins to Start, Credit Card amount etc.)
BONUS (Bonus Time, Lotto Odds, Discount Card etc.)
SYSTEM (Time Zone, Speaker Volume etc.)
MERCHANT (Merchant Number – Swipe Merchant Card, Credit Cards accepted etc.)
The third step is to COPY the settings/configuration to all Bays from the Bay you just configured and all the Vacuums from the Vacuum you just configured.
After the Copy process is completed each of the Bays and Vacuums will beep and send an acknowledgment to the Bay or Vacuums that the settings/configuration was transferred from.
The Sending Bay shall display the percentage completed 01% thru 100%, and then go back to the LINK menu.
Receiving Bays display percentage completed 01% thru 100%, alternating COPY, initialize 01% thru 100% and scroll COPY COMPLETE until mute is pressed on remote.



Above is an illustration of the settings in BAY01 being transferred to BAY02-04

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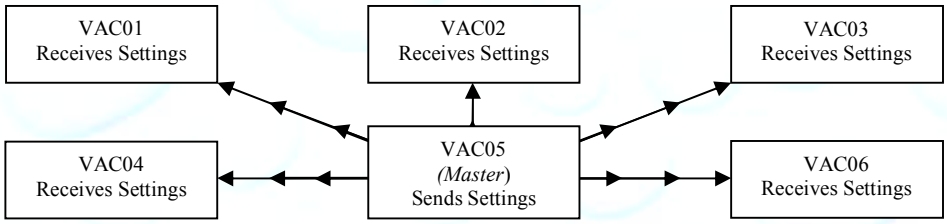

Above is an illustration of the settings in VAC05 being transferred to VAC01-04,06

The Configuration of the Master Bay or Vacuum shall not be copied under the following conditions:
1) The Category of the Master does not match the units to receive settings.
2) If 4 wire (2 pair) phone line is not properly connected.
3) If there is excessive electrical interference or noise in the area.

SET-UP MENU "STUP"

Sets up the basic timer functions

COIN — Sets amount to start wash. Ref Table #1. The COIN value must be less or the same as CRD1. **Decreasing the COIN value will override and change "Discount" to NONE -- see BONUS menu.**

TIME — Sets amount of Time when Starts. Ref Table #1.

CRD1 — Sets the amount for the 1st Card Swipe – must be less than Pre-Auth set-up by the credit card processor.

CRD2 — A) Amount of additional money to charge a credit card while the wash is active – must be same or less than CRD1.

B) If amount is set to NONE then credit card count-up mode is selected

1) When a customer swipes a credit card the Timer will scroll "PROCESSING" and begin counting up from 00:00. The Timer will contact the credit card processor and request that the card be charged the amount in [CRD1]
2) The minimum wash time is [TIME] + any amount that [CRD1] is higher than [COIN].
3) Should the customer swipe a card again while the wash is active, the Timer will scroll "IN-USE".
4) Should the customer select the "OFF" function prior to the time reaching minimum, the Timer will scroll "ENDS AT XX:XX" every 15 seconds. When the time reaches minimum the Timer will end the wash cycle.
5) Should the time exceed minimum, and the customer has never selected the "OFF" function, the Timer will scroll "STOP To End CYCLE"
6) Should the customer insert a coin while the Count-Up mode is active, the Timer will switch over to the Count-Down Mode with the wash time at the time per quarter value, after the Count-Up mode has completed.
7) When the Count-Up mode has completed, the display will show the amount that will be charged to the card. If that amount is greater than

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[CRD1] the Timer will contact the credit card processor and request that the card be charged the new amount.

8) A wash cycle is terminated should the amount that will be charged the card reaches [MAX]. The Timer will contact the credit card processor and request that [MAX] be charged to the card.

MAX Maximum amount of money to charge a credit card while in credit card count-up mode. See "Credit Card Count-up Mode"

TAX Sets Sales Tax added to the Credit Card Transaction NONE to 20.00%
NONE, 00.00, 00.01 ------- 20.00

ALERT Time remaining in a wash cycle that the horn will be beeped

WASH Amount of time provided when the "wash down" password is entered, or the "wash down" card is swiped

FUNC A) Programs the characteristics of the function outputs PNXX selects the function output connector pin to be programmed/viewed Displays a list of the available function configurations dependent on the HOST setup in the SYS menu; See "Function Lists" below. (The function selected by a customer will be voiced, and scrolled on the display)

Note: Available Function Configurations in the SYS - HOST include:
SELF-Self Service Carwash
AUTO-Automatic Carwash
PET-Pet Wash
VEND-Vend

B) Determine if the "High Pressure" output on the Distribution Board will turn on if this function is selected -- engaging the high pressure pump.

C) Percentage to scale the time remaining when the customer selects the function are selectable from 20% to 100% in 10% increments. These scale factors are used with higher product cost functions. 100% is the factory default.

Note: If a user has 4:00 of time remaining and switches to a function scaled at 50% --the timer shall change the time remaining to 2:00 of time, giving the customer less product for the same money. Similarly, if a user is using a function scaled at 50% with 2:00 of time and switches to a normal function the timer shall change to 4:00 of time remaining.

Self Service Function List (Message that will be scrolled and voiced when a customer selects a carwash function)

ALLOY WHEEL CLEANER	FRAGRANCE	RAPID DRY	TRIPLE FOAMING CONDITIONER
BUG OFF	GLOSS WAX	RINSE	TURBO VACUUM
CLEAR COAT	HIGH PRESSURE RINSE	RUBBER PROTECT	VACUUM
DUR-A-SHIELD	LUSTER WAX	SHAMPOO	WASH
ENG/TIRE CLEANER	MARINE	SOAP	WAX
ENGINE CLEANER	FLUSH	SPOT FREE RINSE	WHEEL AND CHROME
FOAM BRUSH	PRE-SOAK	TIRE CLEANER	WHEEL
FOAM CONDITIONER	RAIN-X	TRIPLE FOAM BRUSH	CLEANER

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Automatic Wash Function List (Message that will be scrolled and voiced when a customer selects a carwash function)

TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	

Pet Wash Function List (Message that will be scrolled and voiced when a customer selects a pet-wash function)

TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	

Vending Function List (Message that will be scrolled and voiced when a customer selects a vend function)

TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	
TBD	TBD	TBD	

Note: Truck Wash Owners

When the Price per Minute becomes high, it is recommended to use the TIME/COIN conversion Table #1 on the next page.

If you are accepting credit cards only the COIN can be any value less than CRD1 and the TIME amounts can be any value in Table #1.

See Table #1 on the next page showing Valid COIN and TIME setups.

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Table 1

Price per Minute	Seconds per 25¢	COIN settings in the STUP menu																										
		$0.25	$0.50	$0.75	$1.00	$1.25	$1.50	$1.75	$2.00	$2.25	$2.50	$2.75	$3.00	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75	$5.00	$5.25	$5.50	$5.75	$6.00	$6.25	$6.50
		TIME settings in the STUP menu providing exact TIME/COIN conversions																										
$3.00	5	00:05	00:10	00:15	00:20	00:25	00:30	00:35	00:40	00:45	00:50	00:55	01:00	01:05	01:10	01:15	01:20	01:25	01:30	01:35	01:40	01:45	01:50	01:55	02:00	02:05	02:10
$2.50	6					00:30					01:00					01:30					02:00					02:30	
$2.14	7					00:35					01:10					01:45					02:20					02:55	
$1.88	8					**00:40**					**01:20**					**02:00**					**02:40**					**03:20**	
$1.67	9	Common for Truck Washes				**00:45**					**01:30**					**02:15**					**03:00**					**03:45**	
$1.50	10	**00:10**	**00:20**	**00:30**	**00:40**	**00:50**	**01:00**	**01:10**	**01:20**	**01:30**	**01:40**	**01:50**	**02:00**	**02:10**	**02:20**	**02:30**	**02:40**	**02:50**	**03:00**	**03:10**	**03:20**	**03:30**	**03:40**	**03:50**	**04:00**	**04:10**	**04:20**
$1.36	11					**00:55**					**01:50**					**02:45**					**03:40**					**04:35**	
$1.25	12					**01:00**					**02:00**					**03:00**					**04:00**					**05:00**	
$1.15	13					01:05					02:10					03:15					04:20					05:25	
$1.07	14					01:10					02:20					03:30					04:40					05:50	
$1.00	15	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00	04:15	04:30	04:45	05:00	05:15	05:30	05:45	06:00	06:15	06:30
$0.94	16					01:20					02:40					04:00					05:20					06:40	
$0.88	17					01:25					02:50					04:15					05:40					07:05	
$0.83	18					01:30					03:00					04:30					06:00					07:30	
$0.79	19					01:35					03:10					04:45					06:20					07:55	
$0.75	20	00:20	00:40	01:00	01:20	01:40	02:00	02:20	02:40	03:00	03:20	03:40	04:00	04:20	04:40	05:00	05:20	05:40	06:00	06:20	06:40	07:00	07:20	07:40	08:00	08:20	08:40
$0.71	21					01:45					03:30					05:15					07:00					08:45	
$0.68	22					01:50					03:40					05:30					07:20					09:10	
$0.65	23					01:55					03:50					05:45					07:40					09:35	
$0.63	24					02:00					04:00					06:00					08:00					10:00	
$0.60	25	00:25	00:50	01:15	01:40	02:05	02:30	02:55	03:20	03:45	04:10	04:35	05:00	05:25	05:50	06:15	06:40	07:05	07:30	07:55	08:20	08:45	09:10	09:35	10:00	10:25	10:50
$0.58	26					02:10					04:20					06:30					08:40					10:50	
$0.56	27					02:15					04:30					06:45					09:00					11:15	
$0.54	28					02:20					04:40					07:00					09:20					11:40	
$0.52	29	Common for Car Washes				02:25					04:50					07:15					09:40					12:05	
$0.50	30	**00:30**	**01:00**	**01:30**	**02:00**	**02:30**	**03:00**	**03:30**	**04:00**	**04:30**	**05:00**	**05:30**	**06:00**	**06:30**	**07:00**	**07:30**	**08:00**	**08:30**	**09:00**	**09:30**	**10:00**	**10:30**	**11:00**	**11:30**	**12:00**	**12:30**	13:00
$0.48	31					**02:35**					**05:10**					**07:45**					**10:20**					**12:55**	
$0.47	32					**02:40**					**05:20**					**08:00**					**10:40**					**13:20**	
$0.45	33					**02:45**					**05:30**					**08:15**					**11:00**					**13:45**	
$0.44	34					**02:50**					**05:40**					**08:30**					**11:20**					**14:10**	
$0.43	35	00:35	01:10	**01:45**	**02:20**	**02:55**	**03:30**	**04:05**	**04:40**	**05:15**	**05:50**	**06:25**	**07:00**	**07:35**	**08:10**	**08:45**	**09:20**	**09:55**	**10:30**	**11:05**	**11:40**	**12:15**	**12:50**	**13:25**	**14:00**	**14:35**	15:10
$0.42	36					**03:00**					**06:00**					**09:00**					**12:00**					**15:00**	
$0.41	37					**03:05**					**06:10**					**09:15**					**12:20**					**15:25**	
$0.39	38					**03:10**					**06:20**					**09:30**					**12:40**					**15:50**	
$0.38	39					**03:15**					**06:30**					**09:45**					**13:00**					**16:15**	
$0.38	40	00:40	01:20	**02:00**	**02:40**	**03:20**	**04:00**	**04:40**	**05:20**	**06:00**	**06:40**	**07:20**	**08:00**	**08:40**	**09:20**	**10:00**	**10:40**	**11:20**	**12:00**	**12:40**	**13:20**	**14:00**	**14:40**	**15:20**	**16:00**	**16:40**	17:20
$0.37	41					**03:25**					**06:50**					**10:15**					**13:40**					**17:05**	
$0.36	42					**03:30**					**07:00**					**10:30**					**14:00**					**17:30**	
$0.35	43					**03:35**					**07:10**					**10:45**					**14:20**					**17:55**	
$0.34	44					**03:40**					**07:20**					**11:00**					**14:40**					**18:20**	
$0.33	45	00:45	01:30	02:15	03:00	**03:45**	**04:30**	**05:15**	**06:00**	**06:45**	**07:30**	**08:15**	**09:00**	**09:45**	**10:30**	**11:15**	**12:00**	**12:45**	**13:30**	**14:15**	**15:00**	**15:45**	**16:30**	**17:15**	**18:00**	**18:45**	19:30
$0.33	46					03:50					07:40					11:30					15:20					19:10	
$0.32	47					03:55					07:50					11:45					15:40					19:35	
$0.31	48					04:00					08:00					12:00					16:00					20:00	
$0.31	49					04:05					08:10					12:15					16:20					20:25	
$0.30	50	00:50	01:40	02:30	03:20	04:10	05:00	05:50	06:40	07:30	08:20	09:10	10:00	10:50	11:40	12:30	13:20	14:10	15:00	15:50	16:40	17:30	18:20	19:10	20:00	20:50	21:40
$0.29	51					04:15					08:30					12:45					17:00					21:15	
$0.29	52					04:20					08:40					13:00					17:20					21:40	
$0.28	53					04:25					08:50					13:15					17:40					22:05	
$0.28	54					04:30					09:00					13:30					18:00					22:30	
$0.27	55	00:55	01:50	02:45	03:40	04:35	05:30	06:25	07:20	08:15	09:10	10:05	11:00	11:55	12:50	13:45	14:40	15:35	16:30	17:25	18:20	19:15	20:10	21:05	22:00	22:55	23:50
$0.27	56					04:40					09:20					14:00					18:40					23:20	
$0.26	57					04:45					09:30					14:15					19:00					23:45	
$0.26	58					04:50					09:40					14:30					19:20					24:10	
$0.25	59					04:55					09:50					14:45					19:40	©2008 PaymentBay				24:35	
$0.25	60	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00

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GRAC Grace time. This is the amount of time after a wash cycle completes that a customer can insert money and the wash will restart

GREE Program a custom greeting message, or select the default message. (Default message selected when custom is not programmed).

Insert a character at the curser position. Vol-/+ moves curser.
NOTE: Data entry with the remote keypad operates using the same method as phone text messaging.

1 button:	1st press: "space"	2nd press: "1"			
2 button:	1st press: "A"	2nd press: "B"	3rd press: "C"	4th press: "2"	
3 button:	1st press: "D"	2nd press: "E"	3rd press: "F"	4th press: "3"	
4 button:	1st press: "G"	2nd press: "H"	3rd press: "I"	4th press: "4"	
5 button:	1st press: "J"	2nd press: "K"	3rd press: "L"	4th press: "5"	
6 button:	1st press: "M"	2nd press: "N"	3rd press: "O"	4th press: "6"	
7 button:	1st press: "P"	2nd press: "Q"	3rd press: "R"	4th press: "S"	5TH press: "7"
8 button:	1st press: "T"	2nd press: "U"	3rd press: "V"	4th press: "8"	
9 button:	1st press: "W"	2nd press: "X"	3rd press: "Y"	4th press: "Z"	5TH press: "9"

BONUS MENU "BONS"

Sets up Customer Carwash Bonuses method

TIME Amount of additional time that will be added to an active wash cycle for each coin entered. Bonus time will only be added when the total amount of coins entered reaches/exceeds the programmed value on [DLAY].

DLAY Amount of coins entered to activate the bonus feature.

LOTO Lottery feature. A winner is determined after a customer's initial insertion of a quarter, bill, or credit card swipe. A winner will receive the amount they inserted + the [SET-UP]:[COIN] amount. A win will result in the display flashing "YOU WIN $X.XX" and the horn beeping.
Odds are set for COIN, BILL, and/or CARD.
ODDS Select the odds of winning (2:1, 5:1, 10:1, 25:1, 50:1, 75:1, 100:1 and 200:1). The odds of winning are accurately random.

DISC Discount card value. If a customer swipes a valid discount card they will receive the amount of money programmed. NOTE: The discount card is programmed with an expiration date and the carwash owners Account ID. The card is accepted only if it is not expired and the ID matches the Timers ID

SPCL Specials. A daily special can be set with a lower Coin Amount and Start Amount for any day of the week, at any time of day and for any duration on time up to 24 hours.

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COUNTER MENU "CNTR"

View Coin, Bill and Credit Card Counts and the number of times the Washdown was used.

COIN — Display the amount of quarters entered (Timer will rollover to 0000 when 10,000 is reached)

BILL — Display the amount of quarters, representing the equivalent bill value (Timer will rollover to 0000 when 10,000 is reached)

CARD — Display the amount of quarters, representing the equivalent credit card charges (Timer will rollover to 0000 when 10,000 is reached)

WASH — Display the number of times the "Wash Down" feature has been performed (Timer will rollover to 0000 when 10,000 is reached)

TOTL — Display the total of COIN, BILL and CARD (Timer will rollover to 0000 when 10,000 is reached)

SYSTEM MENU "SYST"

Sets up system function, unit type and unit number.

HOST — Configures HOST as: SELF-Self Service Carwash, AUTO-Automatic Carwash, PET-Pet Wash, VEND-Vend. (Future). Also allows you to Print the Current Configuration.

DIR — Determines how the Timer displays the money inserted. "UP" will count up from $0.00; "DOWN" will count down beginning from the amount programmed in [SET-UP]:[COIN]

TYPE — Determines the method of output control:

ROTARY ONLY — A Rotary switch is wired to the Timer and the function solenoids/relays.

ROTARY W/TRIAC — A Rotary switch is wired to the Timer and a Distribution Board is incorporated (See Note).

PUSHBUTTON W/TRIAC — A Pushbutton switch array is wired to the Timer and a Distribution Board is incorporated (See Note).

KEYPAD W/TRIAC — A Keypad switch is ribbon cabled to the Timer and a Distribution Board is incorporated (See Note).

Note: A Distribution Board is a device that is wired to the solenoids/relays, enabling the Timer to control the functions directly. The Timer communicates over a single cable to the Distribution Board which can be remotely located anywhere in the Carwash building, thus reducing the length of wiring with the solenoids/relays.

ALRM — Sets up unused Function Inputs P63 Pins 12(AL12), 13(AL13), 14(AL14) and, P61 Pin 8(AL15) as Alarms. Alarms are displayed and sent to PaymentBay.com.

Each Alarm Input Pin 12-14 (P63) and Pin 8 (P61) is set as:

NONE = no alarm is available for the Pin
LOW = Activates with loss of 24 VAC Hot
HIGH = Activates when pin is pulled to 24 VAC Hot

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Delay setting 00:00 to 20:00, activates after delay setting

Summary of all ALARMS

Code-12 = Wired alarm Pin #12 of Conn P63 used w/ ROTORY or Automatic
Code-13 = Wired alarm Pin #13 of Conn P63 used w/ ROTORY or Automatic
Code-14 = Wired alarm Pin #14 of Conn P63 used w/ ROTORY, Push Button or Automatic
Code-15 = Wired alarm Pin #08 of Conn P61 used with Push Button or Automatic
Code-16 = Coin input is stuck
Code-17 = Dollar input is stuck
Code-18 = TBD Future
Code-19 = TBD Future
Code-20 = Distribution Board not Communicating

GAIN Adjusts the Modem Attenuation to -8dB, -9dB, -10dB or -11dB. Default is -8dB (the higher the number the less the gain). See Appendix A.
PAS1 Program the "Wash Down" password
PAS2 Program the password used to gain access to the programming mode
NAM1 Receipt Header. 1st Line of the Merchant/Business name on the Credit Card printed receipt.
NAM2 Receipt Header. 2nd Line of the Merchant/Business name on Receipt.

Insert a character at the curser position. Vol-/+ moves curser.
NOTE: Data entry with the remote keypad operates using the same method as phone text messaging.

1 button: 1st press: "space" 2nd press: "1"
2 button: 1st press: "A" 2nd press: "B" 3rd press: "C" 4th press: "2"
3 button: 1st press: "D" 2nd press: "E" 3rd press: "F" 4th press: "3"
4 button: 1st press: "G" 2nd press: "H" 3rd press: "I" 4th press: "4"
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8 button: 1st press: "T" 2nd press: "U" 3rd press: "V" 4th press: "8"
9 button: 1st press: "W" 2nd press: "X" 3rd press: "Y" 4th press: "Z" 5TH press: "9"

CATG Select from a list of descriptions identifying what the Timer is used for: (BAY, VAC, VEND, Specials)
RF Normally not used --Channel address of the RF transceiver
VOL Select the audio volume (00=off, 15= maximum). The level selected will be voiced as CH-/+ are pressed
LANG Determine how the Timer's speaks. (English only, Spanish only, English then Spanish, or Spanish then English)
ZONE Select the time zone where the timer is located (Pacific, Mountain, Central, Eastern
DATE Not required to program
YEAR Not required to program
TIME Not required to program

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MERCHANT MENU "MCHT"

Sets the Unit up for Credit Card processing

PHONE Not required to program
PREX Select the dial-out prefix **[NONE], [1-], [9-], [9-1-]**
USER View. Initially setup by swiping Merchant Card.
ACCT View. Initially setup by swiping Merchant Card.
LOC Select the Carwash Location if you have more than one site.
CARD
- AMEX Program ON/OFF
- DISC Program ON/OFF
- MAST Program ON/OFF Defaults ON
- VISA Program ON/OFF Defaults ON

TRAN Not required to program. Defaults to AGG
CHRG Not required to program. Defaults to Live

PRINTING A CREDIT CARD RECEIPT

If a printer is connected to the Terminal a receipt is printed each time a Wash is completed using a Credit Card.

The last Credit Card transaction may be printed at any time if you Push CH+ and then Push Enter on the remote. This is helpful if you run out of paper and wish to print the last receipt.

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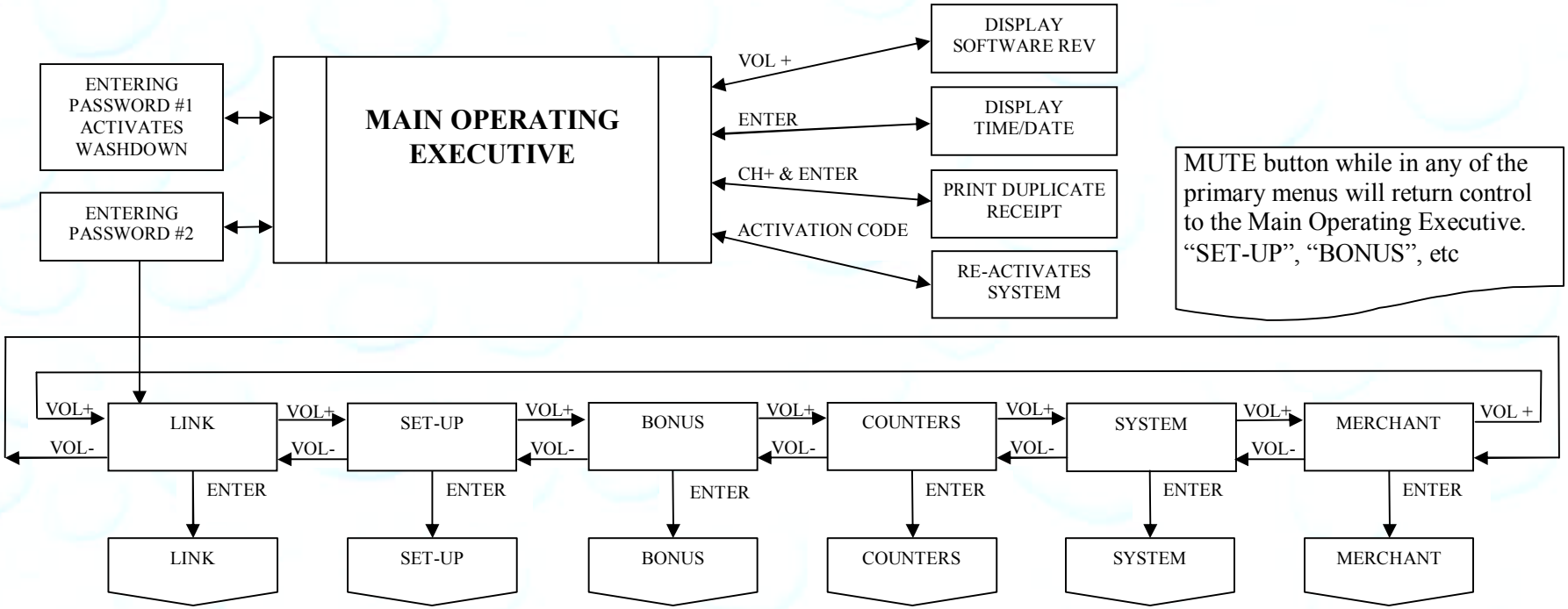
Using the IR REMOTE (TV remote) to Setup the Quick Pay Unit.

When the Quick Pay unit is powered up it is in the "Main Operating Executive" ready to accept credit cards, coins or dollars.

- To enter Wash Down enter 1st password, [Enter].
- To change program unit enter 2nd password, [Enter] (default password is 1234, [Enter]).
- To Display Revision Push [VOL+]
- To Display Time/Date Push [Enter]
- To Print a duplicate Credit Card Receipt Push [CH+] and then Push [Enter]
- To Re-Activate Quick Pay System enter five (5) digit Activation Code.



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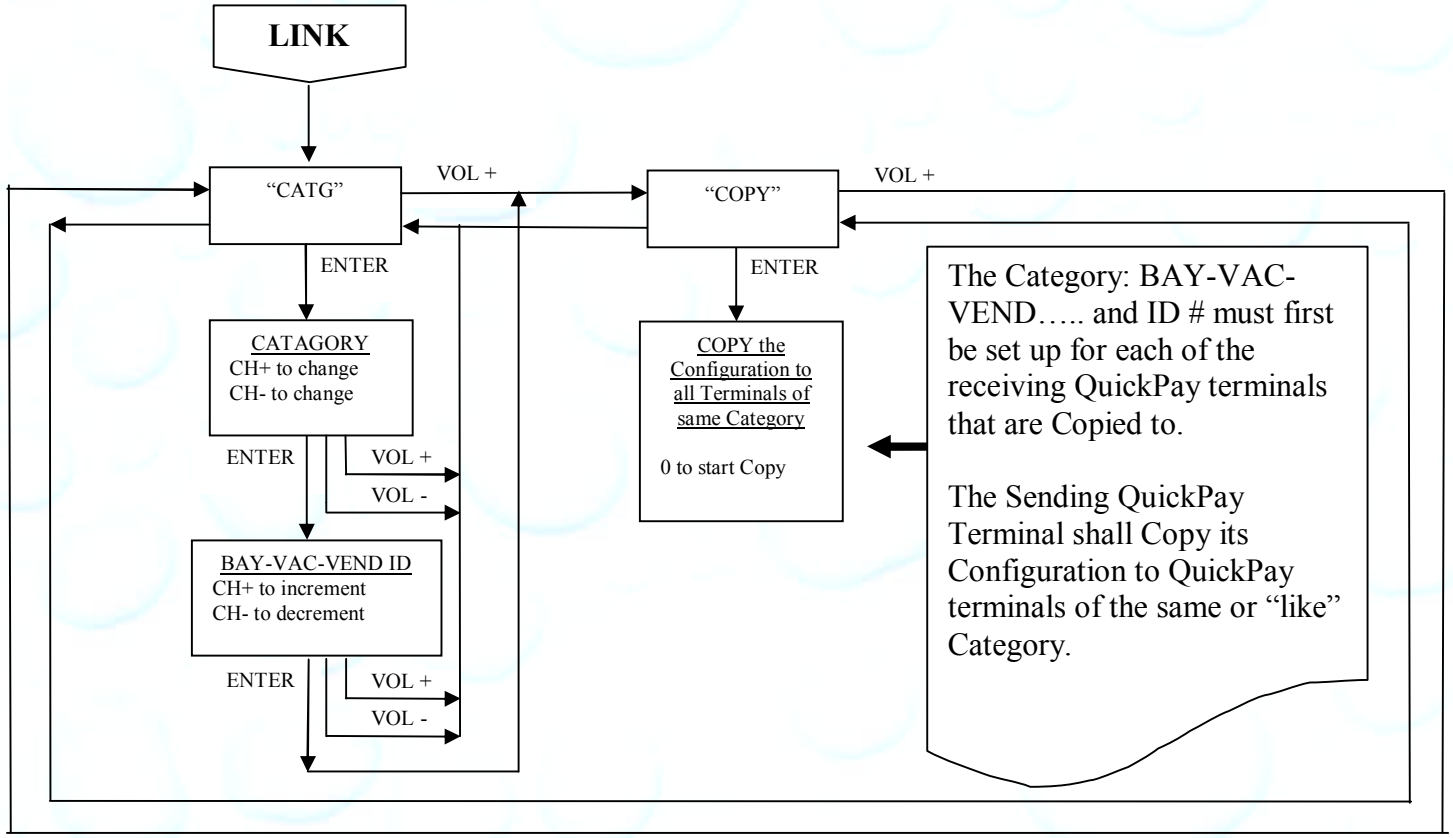

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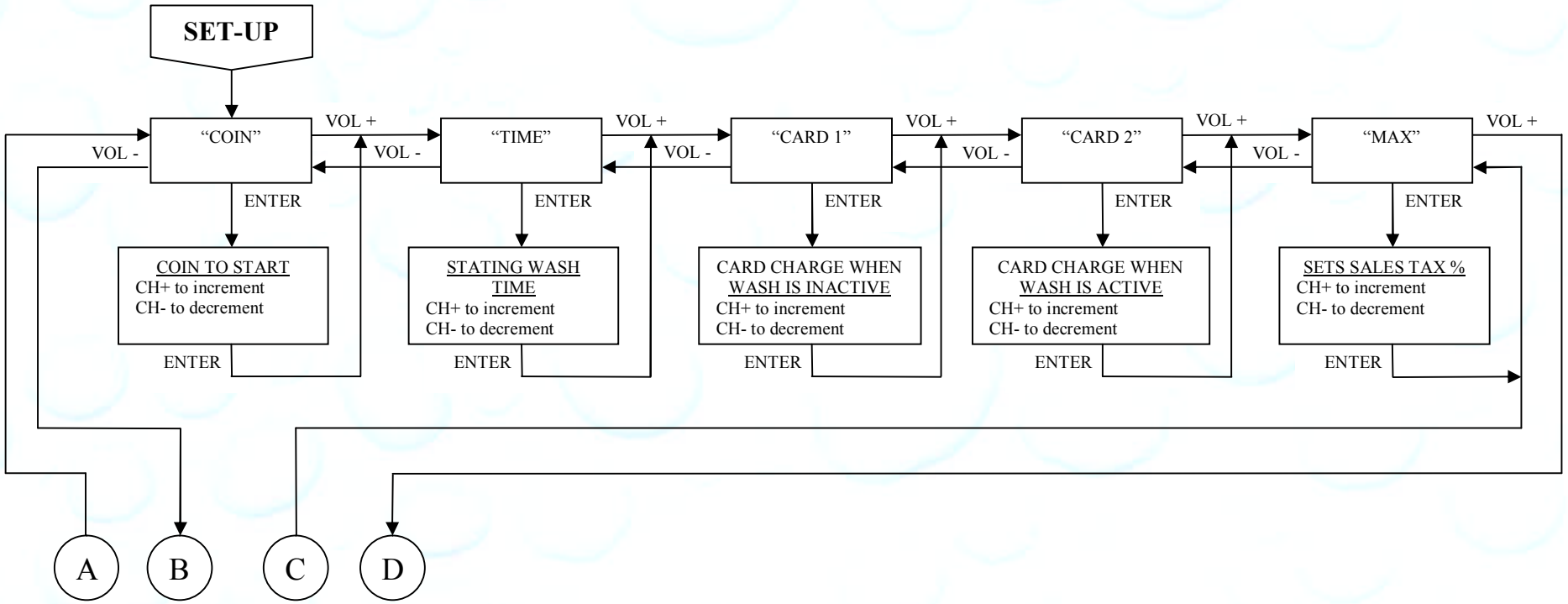

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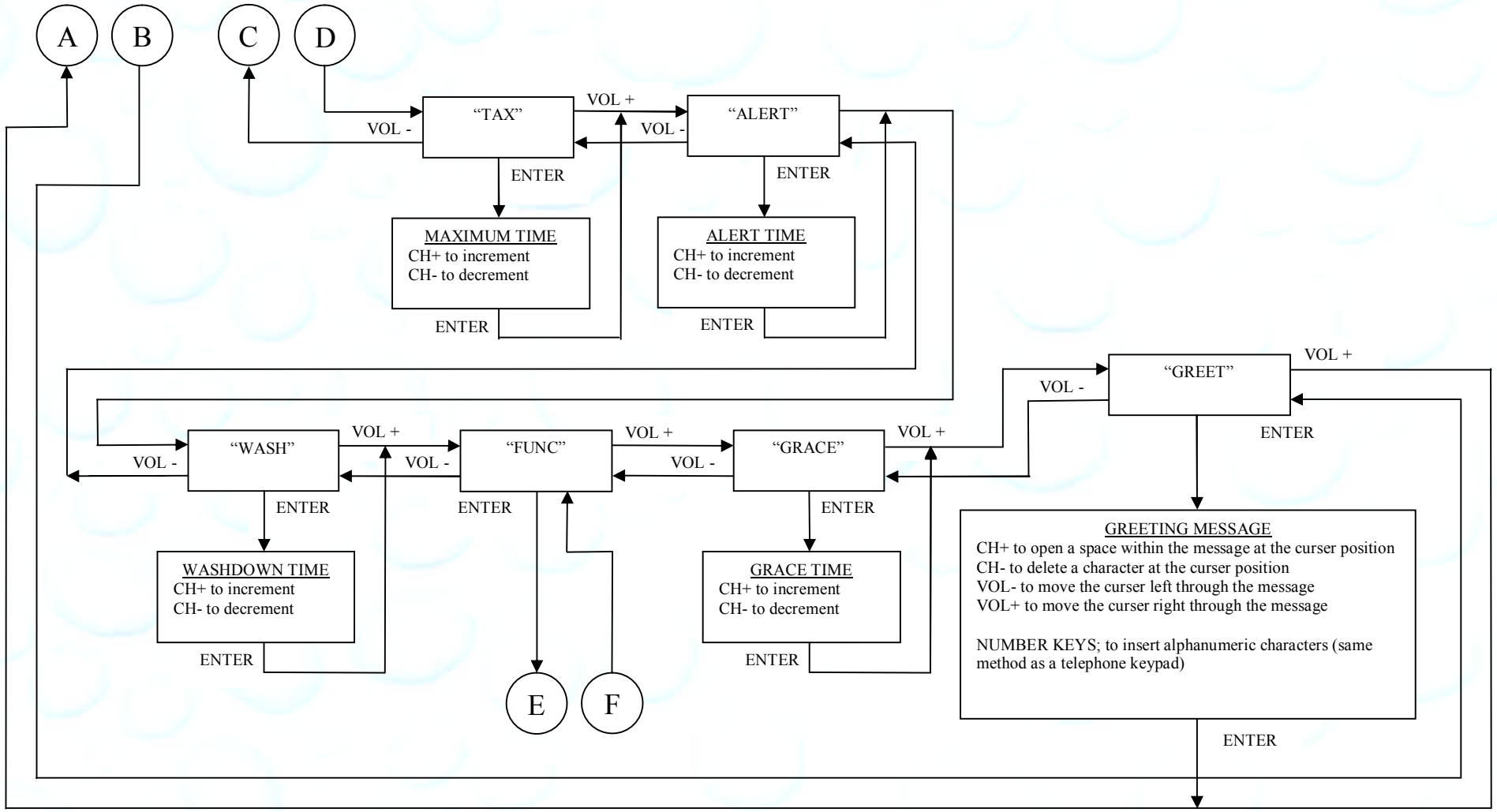

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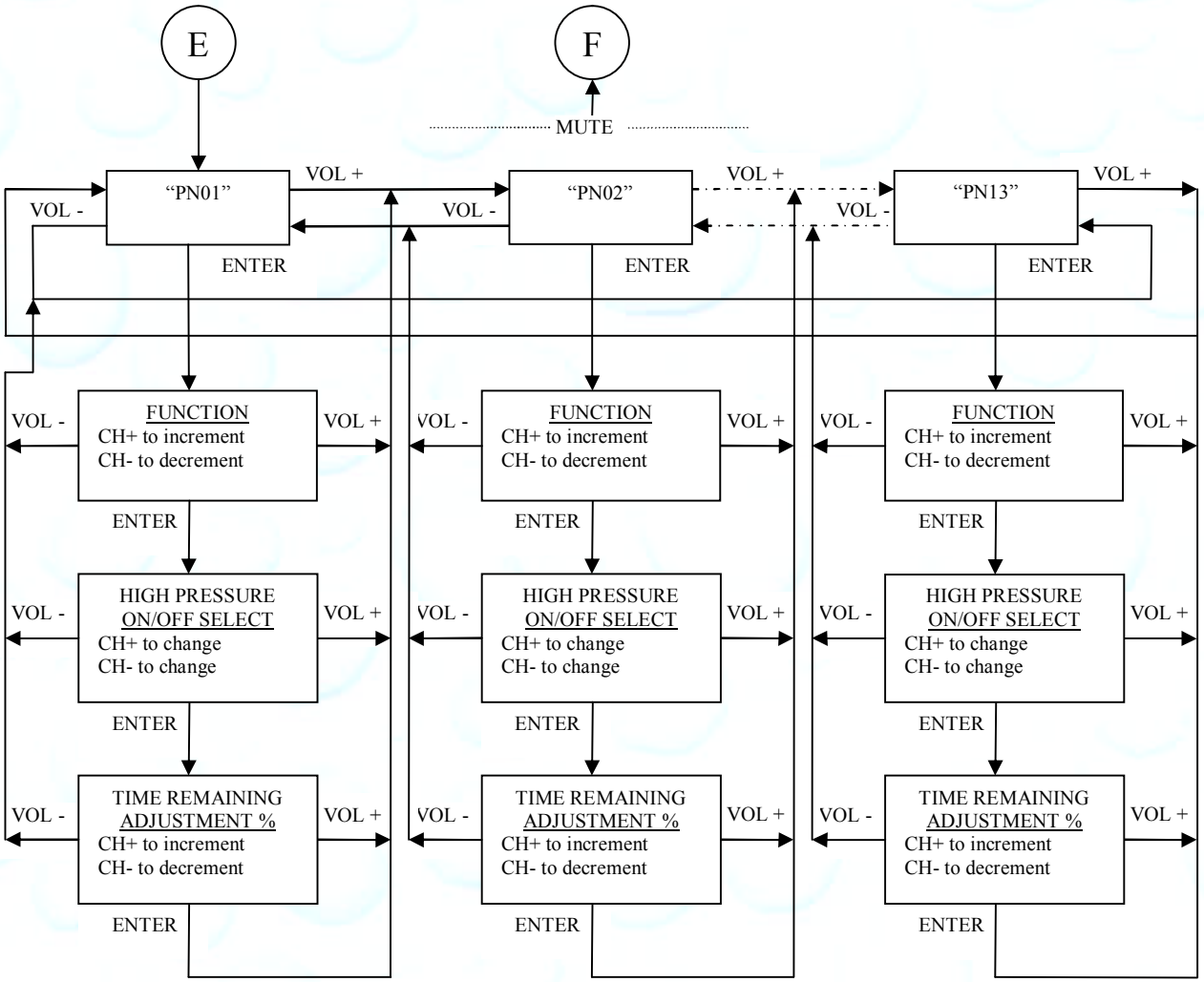

FUNCTION

1) Pressing <MUTE> while displaying [PNxx] will redirect back to [FUNCT]
2) CH+ and CH- step through the function list

FUNCTION LIST

- ALLOY WHEEL CLEANER
- BUG OFF
- CLEAR COAT
- DUR-A-SHIELD
- ENG/TIRE CLEANER
- ENGINE CLEANER
- FOAM BRUSH
- FOAM CONDITIONER
- FRAGRANCE
- GLOSS WAX
- HIGH PRESSURE RINSE
- LUSTER WAX
- MARINE FLUSH
- PRE-SOAK
- RAIN-X
- RAPID DRY
- RINSE
- RUBBER PROTECT
- SHAMPOO
- SOAP
- SPOT FREE RINSE
- TIRE CLEANER
- TRIPLE FOAM RUSH
- TRIPLE FOAMING CONDITIONER
- TURBO VACUUM
- VACUUM
- WASH
- WAX
- WHEEL AND CHROME
- WHEEL CLEANER

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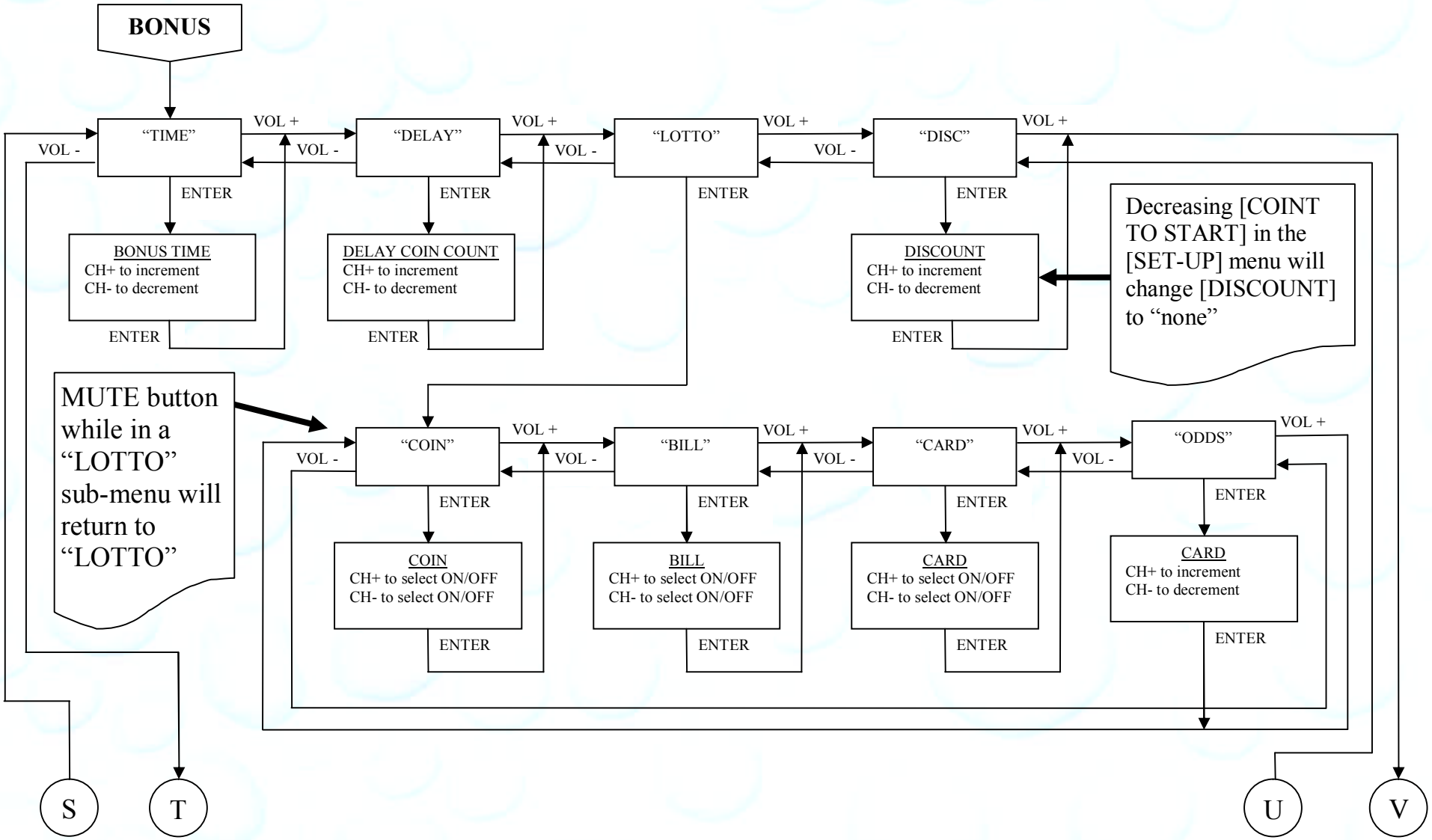

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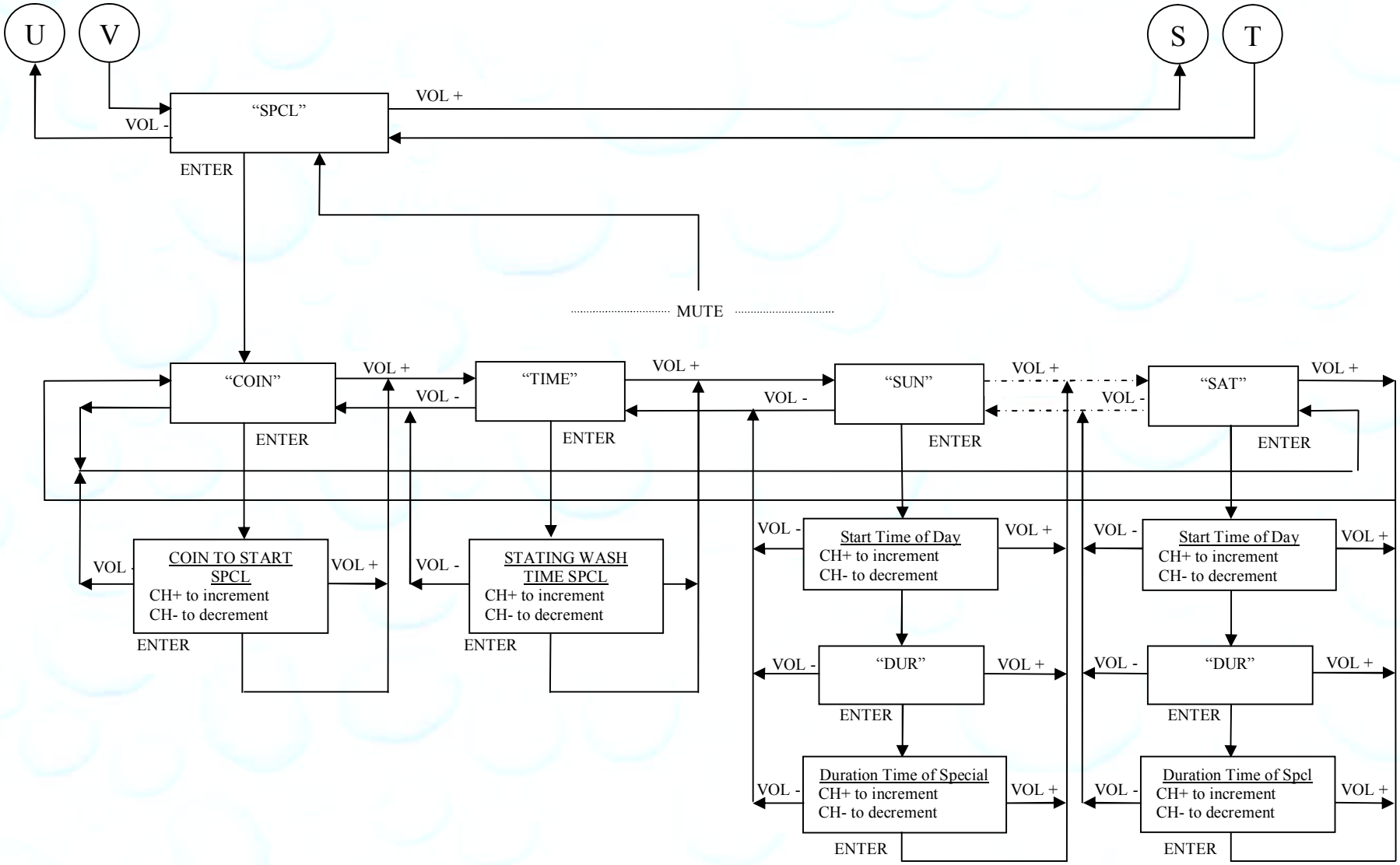

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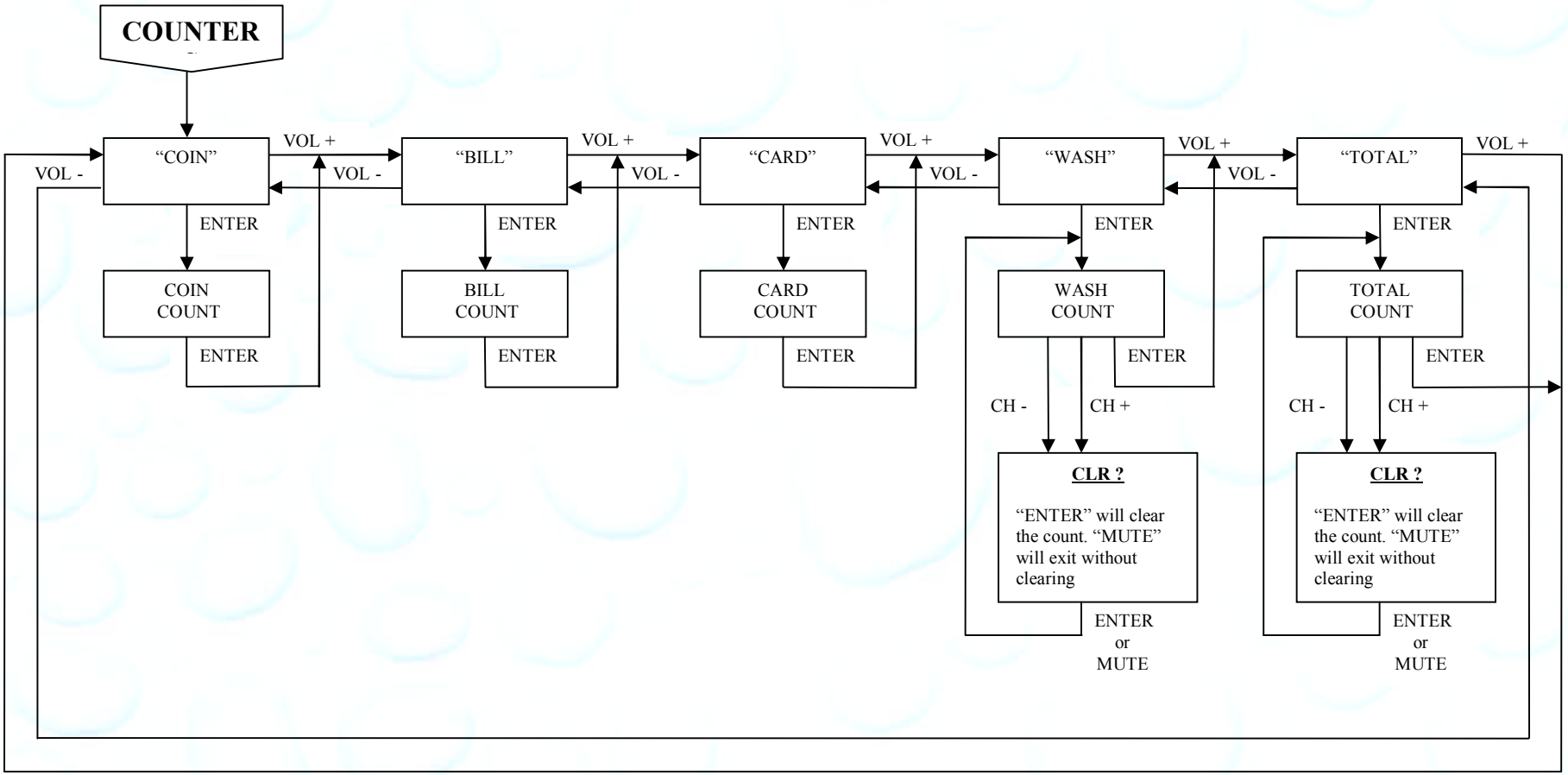

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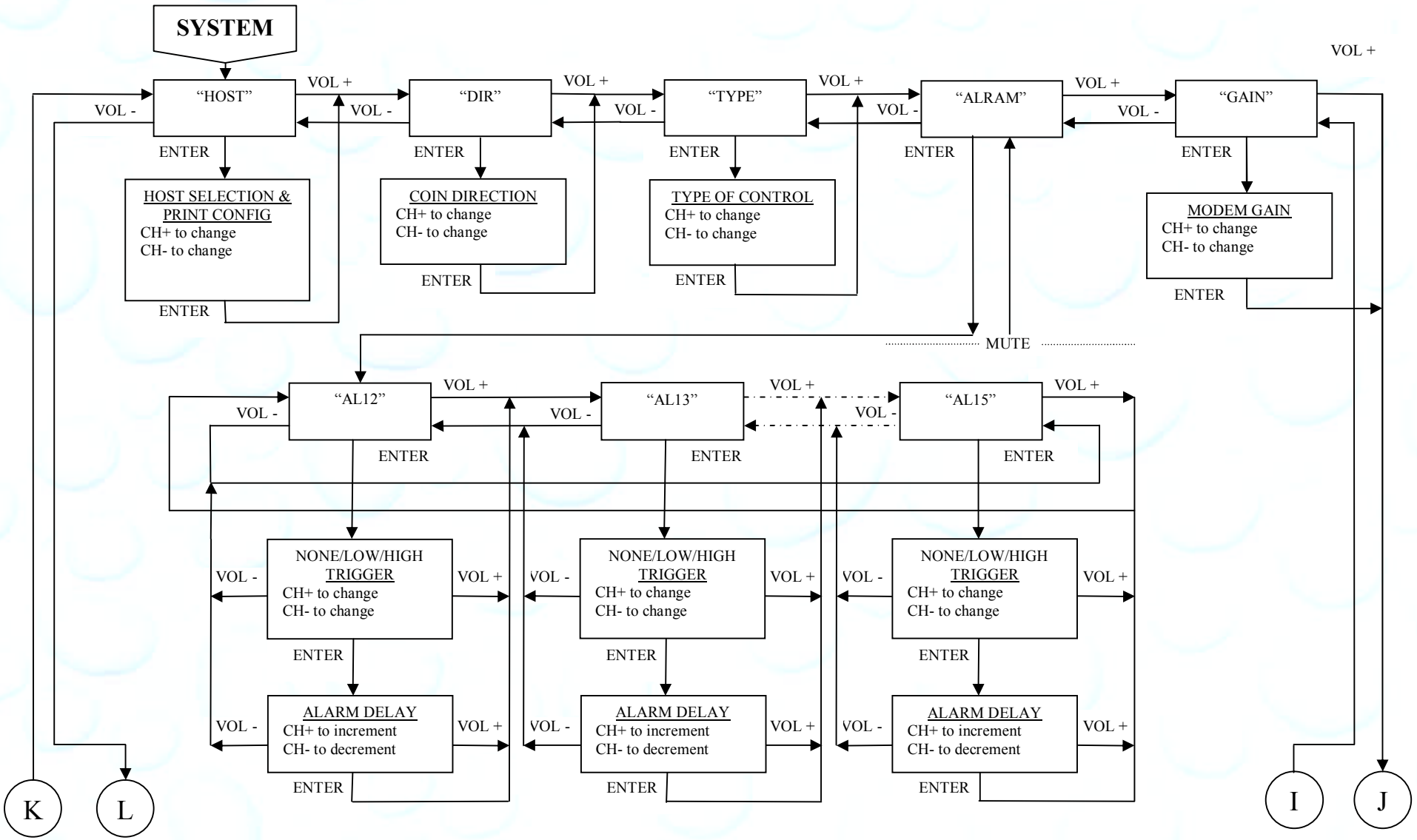

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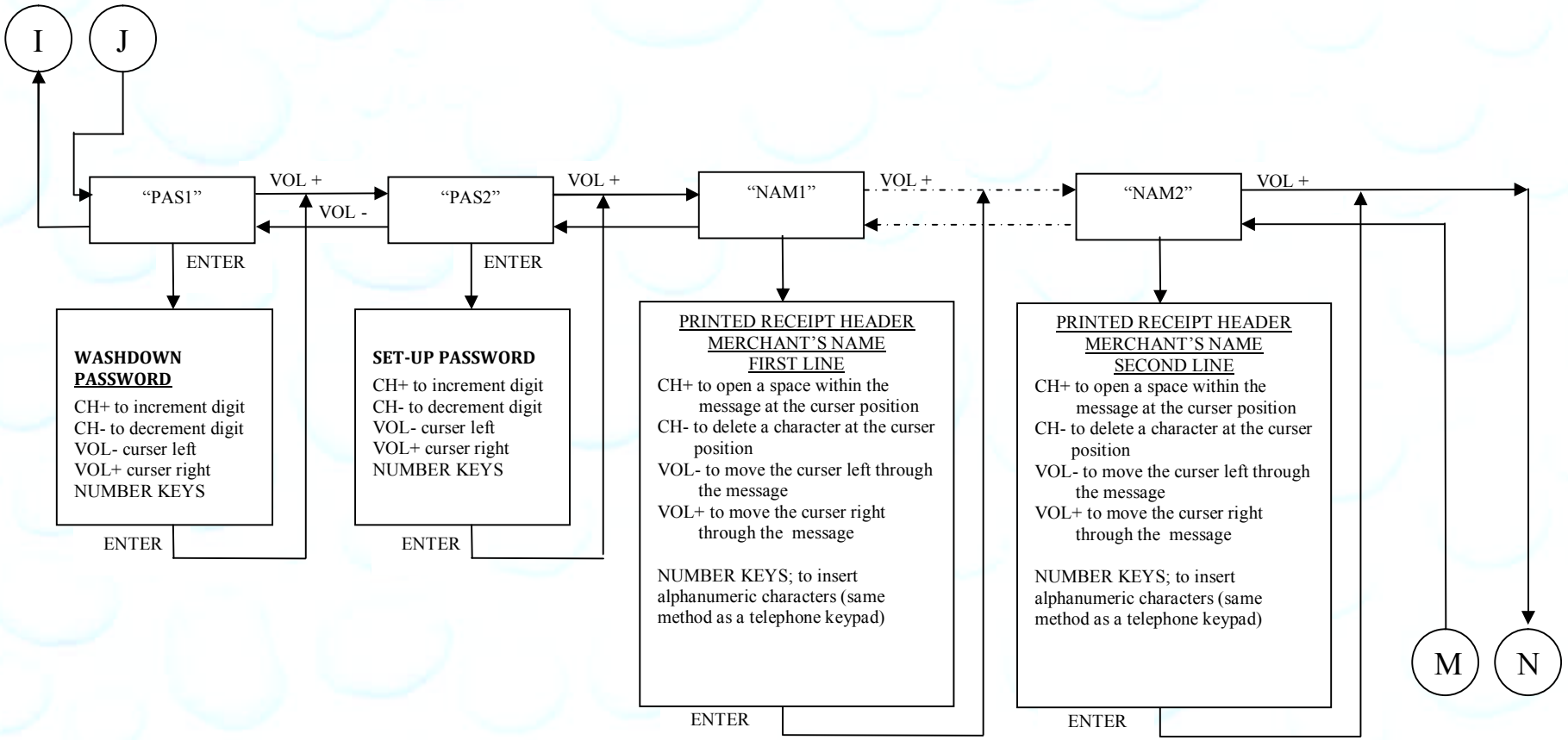

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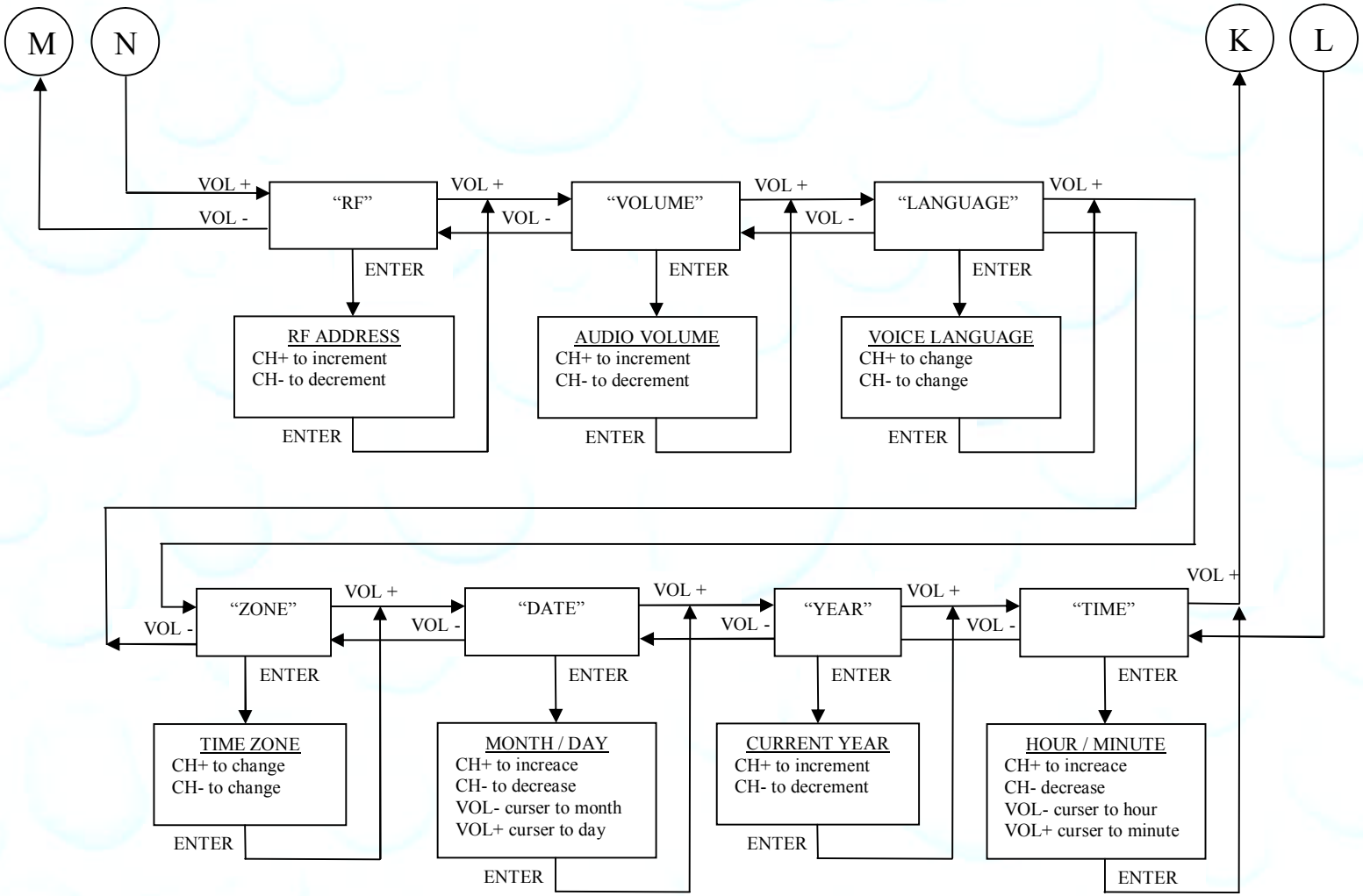

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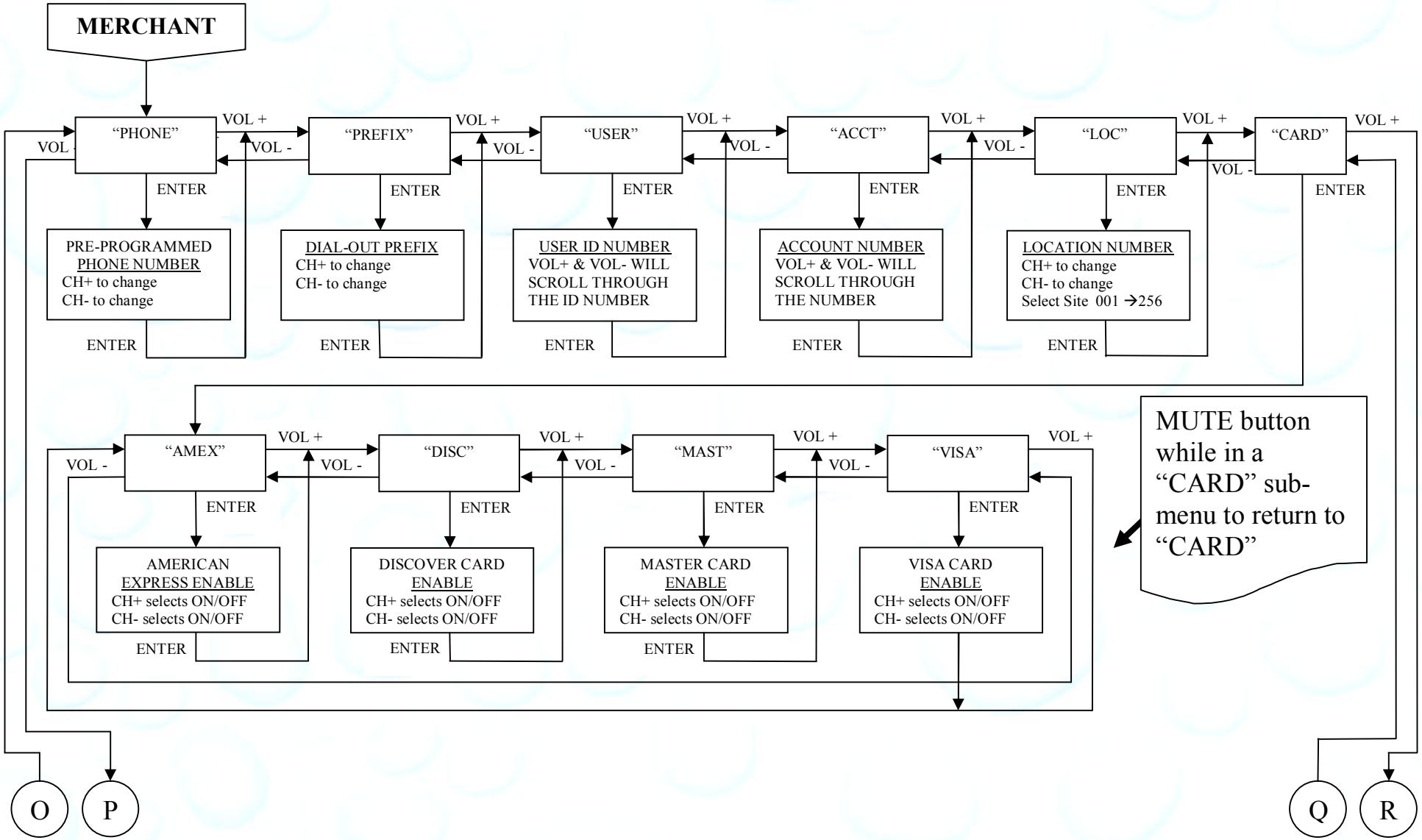

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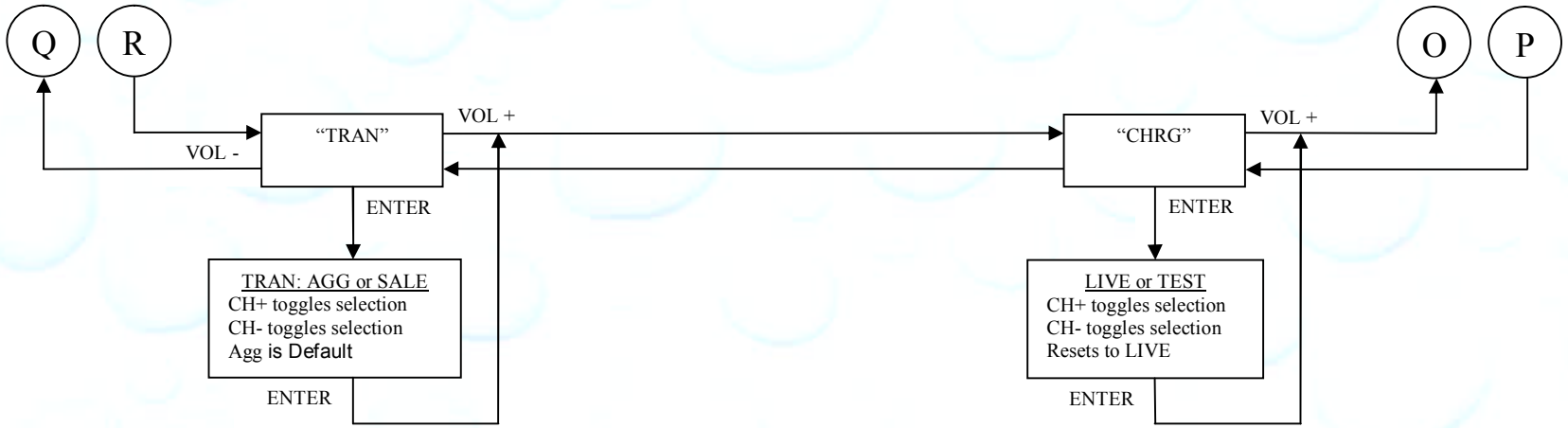

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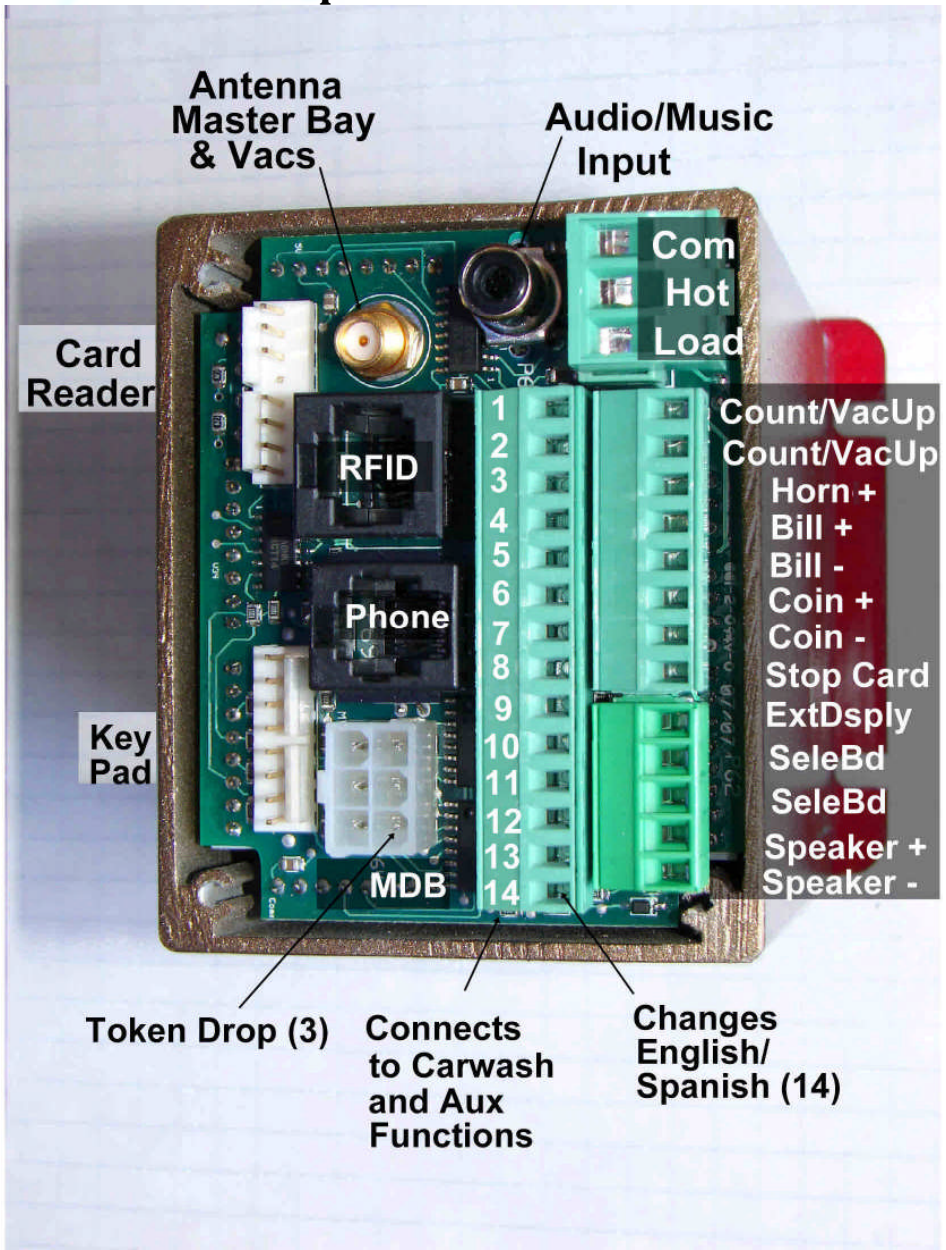
Connector description:



Summary of Carwash & Aux Function Connector P63.
When a signal is applied to the following Pins the Function programmed is Announced and Displayed:

Pin 1 - Function Programmed in PN01 of Setup Menu
Pin 2 - Function Programmed in PN02 of Setup Menu
Pin 3 - Function Programmed in PN03 of Setup Menu
Pin 4 - Function Programmed in PN04 of Setup Menu
Pin 5 - Function Programmed in PN05 of Setup Menu
Pin 6 - Function Programmed in PN06 of Setup Menu
Pin 7 - Function Programmed in PN07 of Setup Menu
Pin 8 - Function Programmed in PN08 of Setup Menu
Pin 9 - Function Programmed in PN09 of Setup Menu
Pin 10- Function Programmed in PN10 of Setup Menu
Pin 11- Function Programmed in PN11 of Setup Menu
Pin 12- Function Programmed in PN12 of Setup Menu
Only used as a Wash Function with Push Buttons
Pin 13- Selects Stop when used with Push Buttons
Pin 14- Selects English or Spanish

Pins 12-14 can also be used for other features and Alarm inputs, see Set-Up Menu section.

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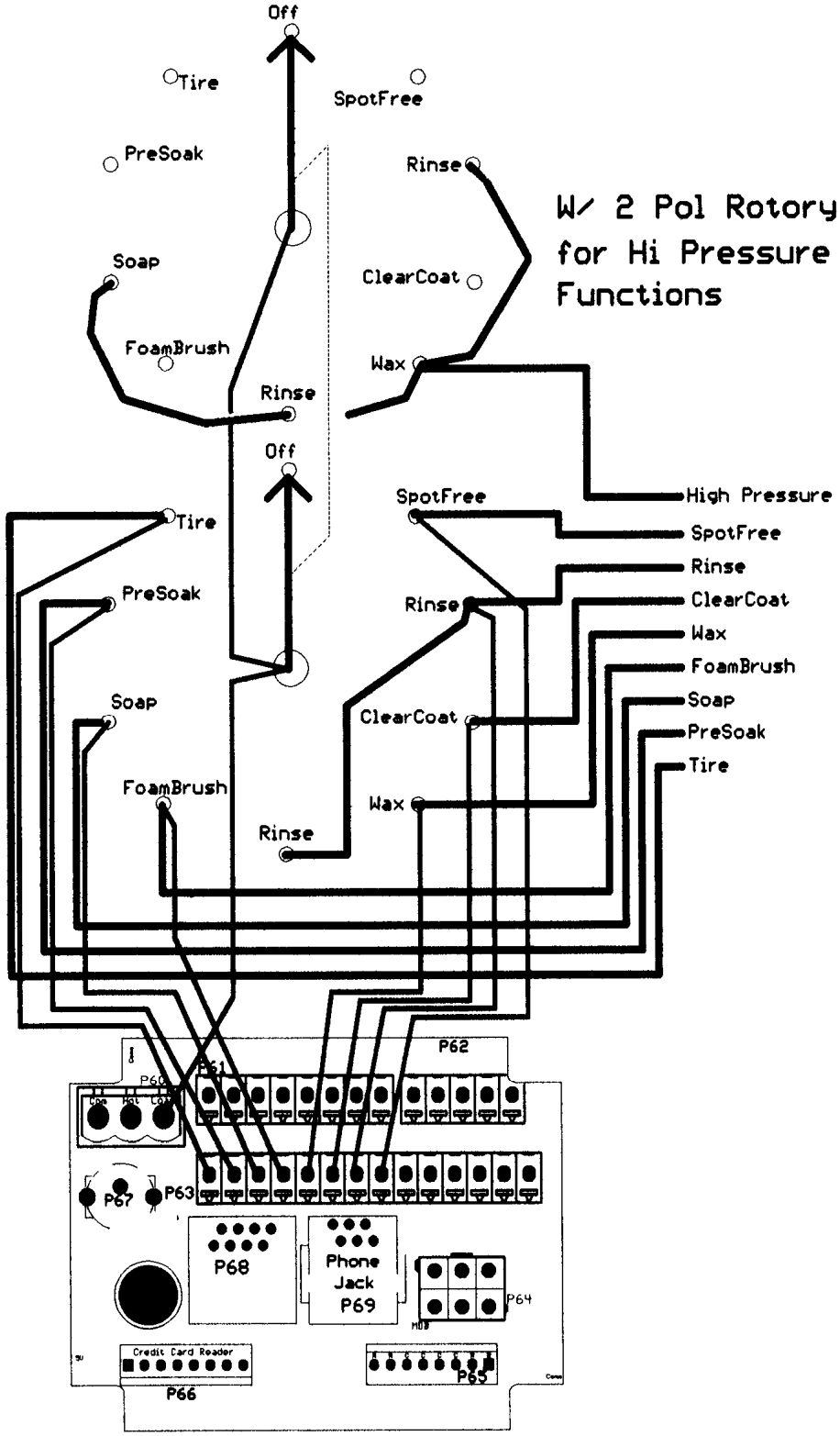
Wiring Configurations showing specific switch connections:



Basic Two Stack Rotary

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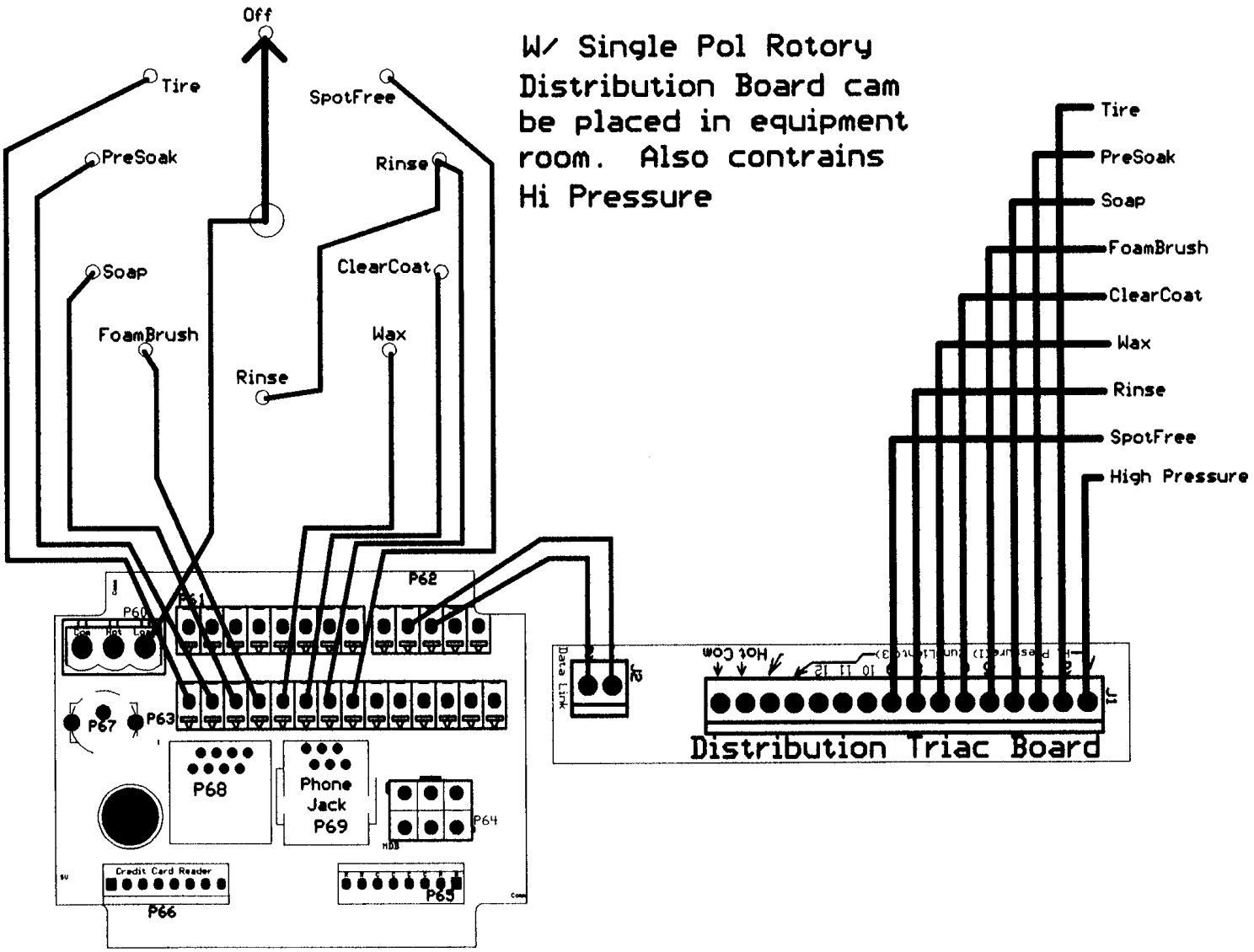

Single Stack Rotary

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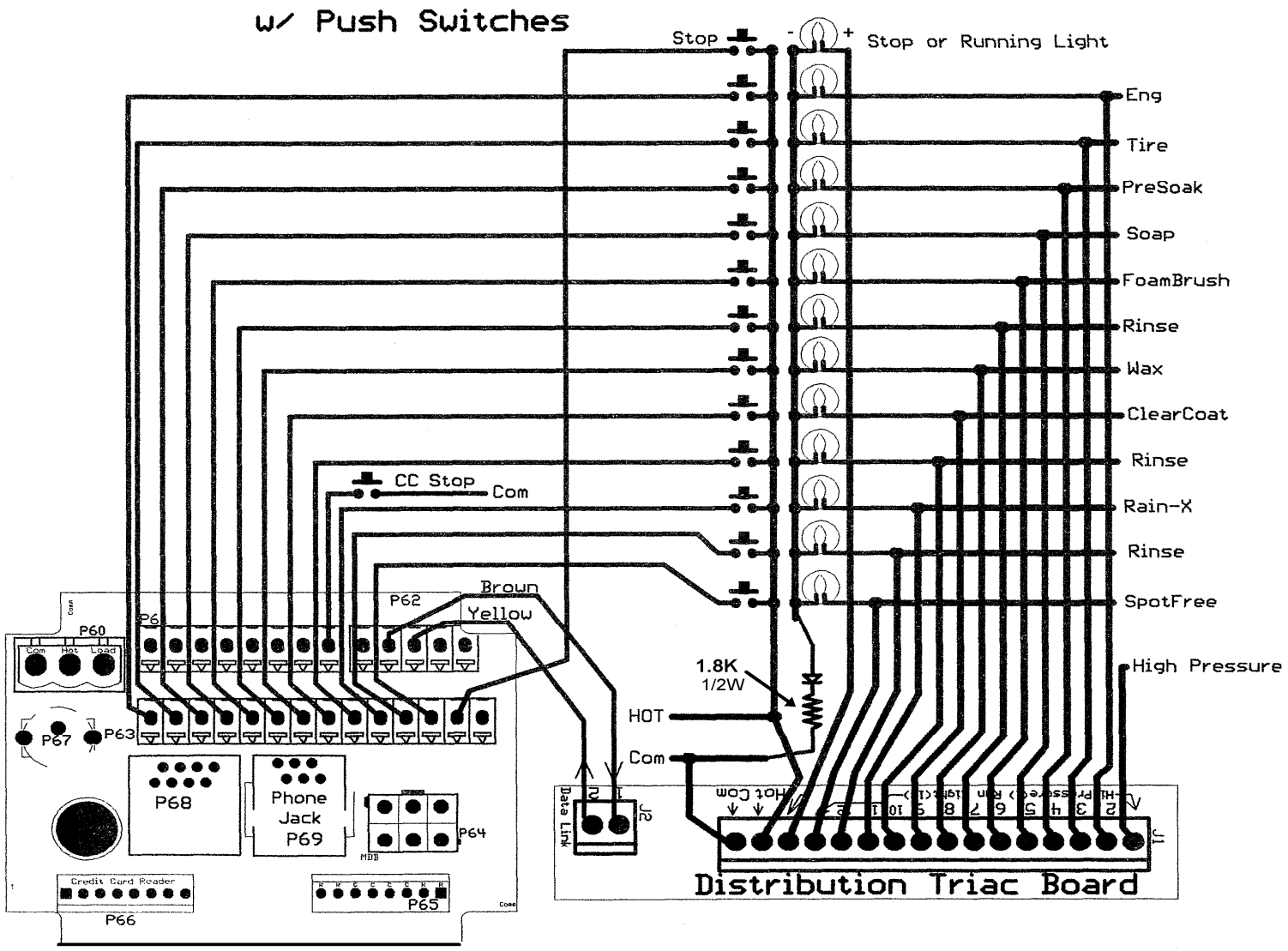

Push Button with Distribution Board Also replaces [Touch Select I]

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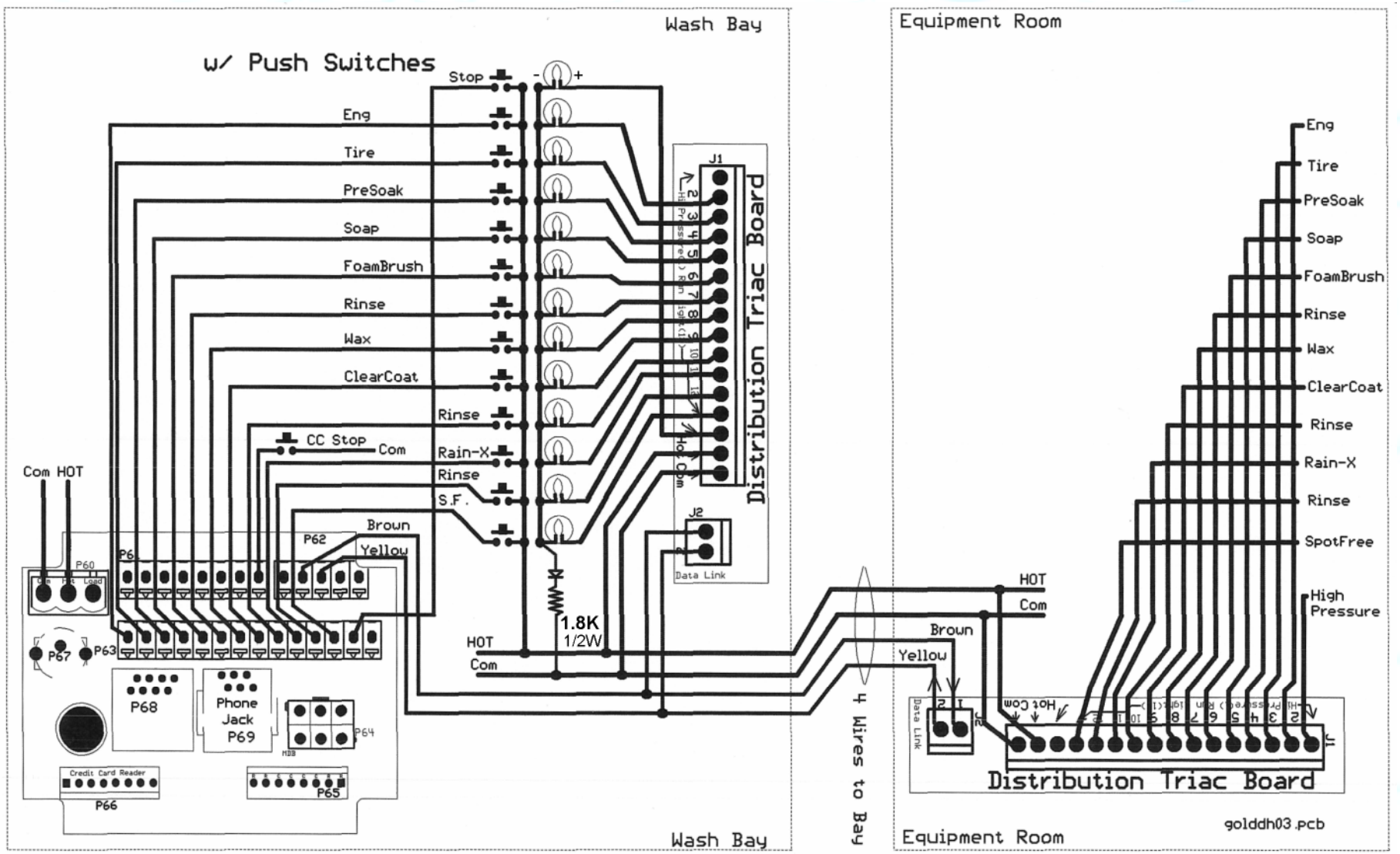

Push Button with Distribution Board: Also replaces [Touch Select II Display] in Meter Box.

And can be used with an existing [Touch Select II Controller Distribution Board] in equipment room.

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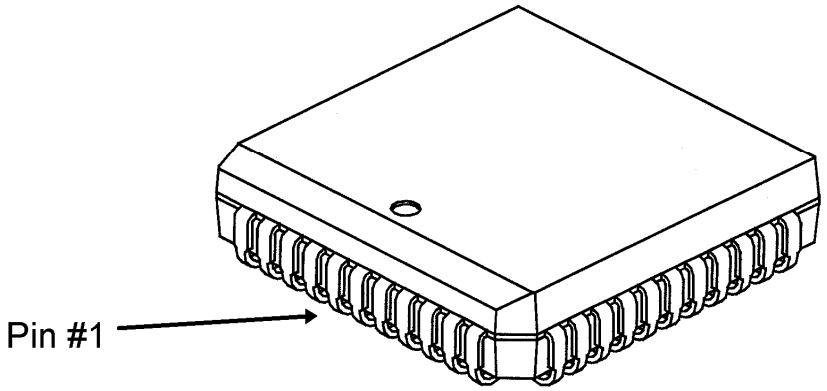
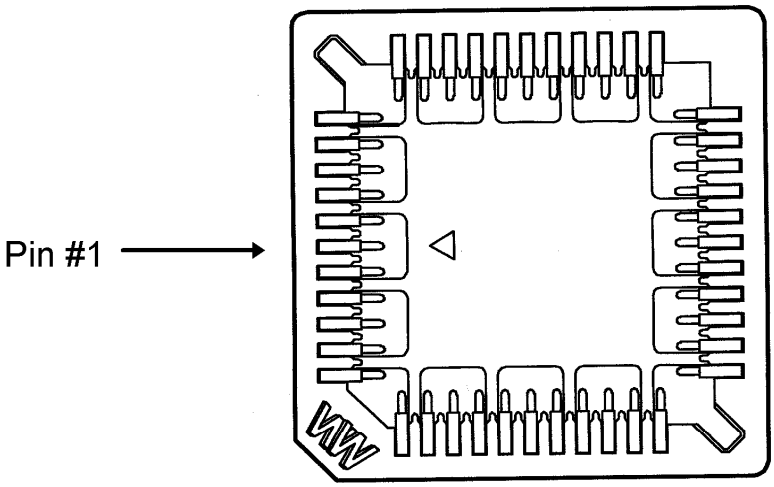
Updating Software Revision:

1- Carefully unstack the Timer Boards.

2- Carefully remove Chip from Socket with PLCC Extraction Tool.

3- Carefully insert new Chip into Socket aligning Pin #1 with Pin #1. Do not force.





4- Carefully stack and re seat Timer Boards. if Boards are not assembled properly they may become damage at power up.

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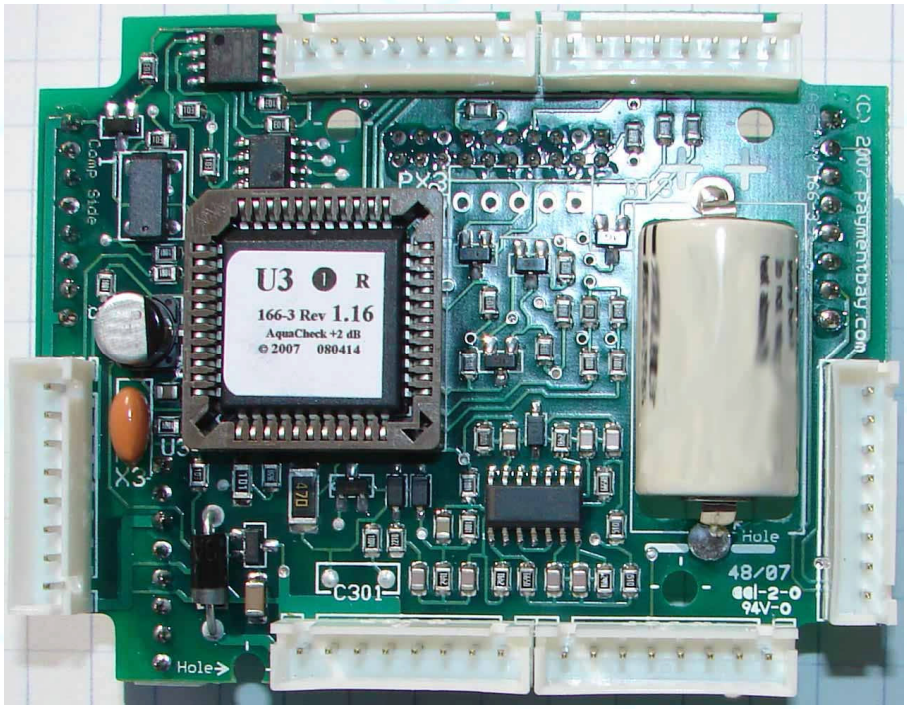
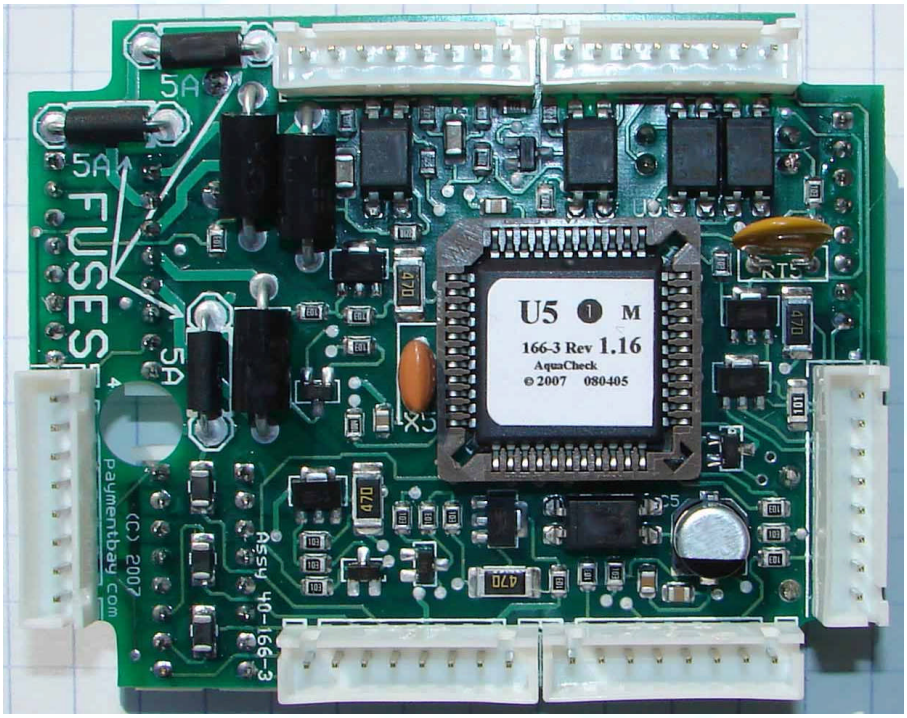
U3 and U5 must be update as a set with the same revision number.



U3 is used on Board #3

Use Extraction Tool



U5 is used on Board #5

Use Extraction Tool

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Receipt Printer Operation:

Credit Card transaction receipt is printed at the end of a Vend or when the Wash is completed.

The last Credit Card transaction may be printed as a Duplicate Receipt at any time if you Push CH+ and then Push Enter on the remote.

The Configuration of the Quick Pay system may be printed from the System Menu under Host.

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System Configuration

To Print the Complete Settings of the Quick Pay System:
Enter Password #2 – [Enter] – SYS – [Enter] – HOST – [Enter] – SELF (or other setup) – [Enter] – PRT? – [Enter]
The following Shall Print:

```
LINK
CATG BAY

SET-UP
COIN $2.50
TIME 04:00
CRD1 $4.00
CRD2 $2.00
MAX   $25
TAX  NONE
ALRT 00:30
WASH 10:00
FUNC PN01 TIRE CLEANER
          OFF  100%
     PN02 BUG OFF
          ON   100%
     PN03 PRE-SOAK
          OFF  100%
     PN04 SOAP
          OFF  100%
     PN05 FOAM BRUSH
          ON   100%
     PN06 RINSE
          OFF  100%
     PN07 TRIPLE FOAM BR
          OFF  100%
     PN08 RAIN-X
          OFF  100%
     PN09 SPOT FREE RINS
          OFF  100%
     PN10 RAPID DRY
          OFF  100%
     PN11 ENGINE CLEANER
          OFF  100%
     PN12 CLEAR COAT
          OFF  100%
     PN13 DUR-A-SHIELD
          OFF  100%
GRAC 00:05
GREE WECOME.TO.MY.CA
     RWASH.........
     .........
```

Continued next column….

……. continued

```
BONUS
TIME 00:00
DLAY $1.50
LOTO COIN  OFF
     BILL  OFF
     CARD  OFF
     ODDS   2:1
DISC NONE
SPCL COIN $1.50
     TIME 03:30
     SUN  00:00  NONE
     MON  00:00  NONE
     TUES 00:00  NONE
     WED  00:00  NONE
     THUR 08:00  12:00
     FRI  00:00  NONE
     SAT  00:00  NONE

SYSTEM
HOST SELF
DIR   UP
TYPE ROTARY ONLY
ALRM AL12 NONE 00:30
     AL13 NONE 00:30
     AL14 NONE 00:30
     AL15 NONE 00:30
GAIN 0008
PAS1 5678
PAS2 1234
NAM1 MY.CARWASH.....
     .........
NAM2 MY.TOWN........
     .........
RF   0010
VOL  0008
LANG ENGL
ZONE CENT
DATE 01.17
YEAR 2009
TIME 15:22

MERCHANT
PHON PH-1
PREX 1-
DIAL 6[illegible] 258
USER 1[illegible] 6
ACCT 1[illegible] 5
LOC  0001
CARD AMEX  ON
     DISC  ON
     MAST  ON
     VISA  ON
TRAN AGG
CHRG LIVE
```

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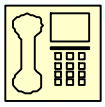
Appendix A



Credit Card Unit (and Carwash Timer)

Trouble Shooting the Phone Line

Credit Card Unit Modem is FCC Part 68 Compliant.

Important Note: Caution, avoid connecting the Phone Connection to the RFID Connector, since this will Damage the Unit and may void the warranty. See Fig # A8.

I) Dial Out SetupPhone Line Usage.

Before attempting to process a credit card transaction the Credit Card Unit requires setup to function with your Telephone Service.

1. Dial-Out number is factory set as PH-1 (default phone number)
2. Dial-Out prefix is factory set for 1- (default prefix)

The Prefix is selectable:

[**1-**]	Is for long distance dialing (default).
[**9-**]	Is for a phone system requiring 9 to get an outside line.
[**9-1-**]	Is for long distance with 9 to get on outside line.
[**NONE**]	No prefix before number is dialed.

Changing the Dial-Out Setup use the remote control as follows:

1. Enter four digit Password and press enter. (default is 1234 or 0696).
2. Select MCHT
3. PHONE
   a) PH-1 (default)
4. PREX
   a) [**1-**] (default)
   b) [**9-**]
   c) [**9-1-**]
   d) [**NONE**]

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II) Phone Line Usage.

You may have phone issues if you answer yes to any of the following questions:

Is the Phone Line used for any other functions?

Is the Phone Line used for any other Car Wash System?

Is the Phone Line used for a fire alarm system?

Is the Phone Line used for a security system?

Is the Phone Line used for a video system?

Is the Phone Line used for an intercom system?

Does the Phone Line have an extension phone?

Is the Phone Line connected to a Fax?

Is the Phone Line connected to a Computer?

Your phone company offers you long distance service and you do not subscribe?

Is it required to dial 9 to get an outside phone line?

Is your phone company offering you DSL service?

III) Checking Your Phone Line.

Is the phone line connected to the RJ11 or the larger RJ45 jack on the CC Timer?

Check for line noise?
"Listening" for Noise on your Phone Line

Note: This checks for noise between your Phone Jack and first Central Office.

3. How to "Listen" to your Phone Line:

   If you have any connection problems it may be related to "Line Noise" from your phone line. In order to really listen to your phone line you need to get rid of the dial tone. Lift up the phone handset and dial any number valid for your location (i.e. in the U.S. try dialing a 1). Once the dial tone is gone you have about 30 seconds to really listen to your phone line (after about 30 seconds the line may change to a busy signal). Listen closely to the line and verify you do not hear any pops, bangs, crackles, creaking or faint voices in the background. Any of these noises can cause your modem connection to fail. Some noise is above the audible range and cannot be heard – requiring the phone company to check.

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4. Possible Sources of Noise and Checking with Another Phone:

   These noises can be caused by something simple. Maybe a loose screw on a connector block somewhere between you and the exchange or water in one of the Telco cable ducts where the water-proofing (around the cable joints) has started to break down. It could also be a bad connection in your facility somewhere and not necessarily on the line extension that is feeding your modem in the **Credit Card Unit**. Voices (or crosstalk) are not so easy to find and are usually more likely to be further into the system. The noises can also be coming from your phone or external wiring. So plug another phone directly into the wall jack and repeat the procedures above.

5. Wiring In and Around your Phone Jack:

   Cordless phone jacks and extra "outside wiring" near the phone jack should be removed. If you have a double phone jack on the wall disconnect the other phone line – this is the **black** and **yellow** wires (line #2).

See Appendix #1 for other clues to phone line issues.

Using a phone line tester:

Is the LED light Red, Green, Amber, or No Color?

If the Red LED turns on flip **red** and **green** wires.

http://www.specialized.net/ecommerce/shop/seriesmaster.asp?series_id=Line+Checkers

Fig# A1

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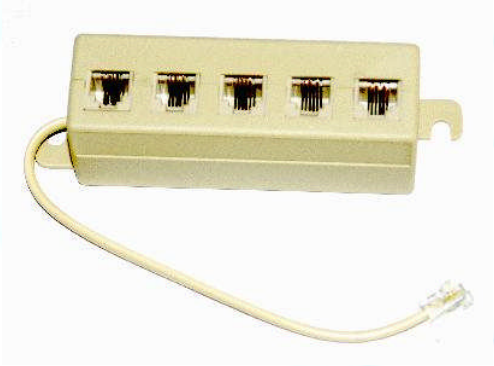
Use only one Phone Line.

Use the center pair of wires, **red** and **green** – line ONE.
The **Credit Card Unit** is connected to the phone line with a RJ11 jack. All phone cables from all vending machines, automatics, self serve bays, vacs etc should connect to the multiple jack(s) or splitter(s).

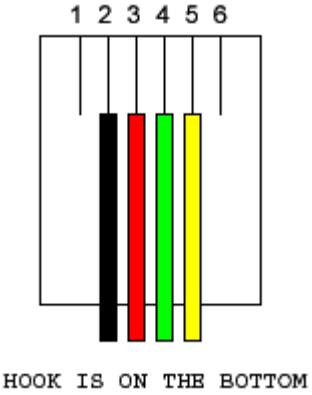


Fig# A2

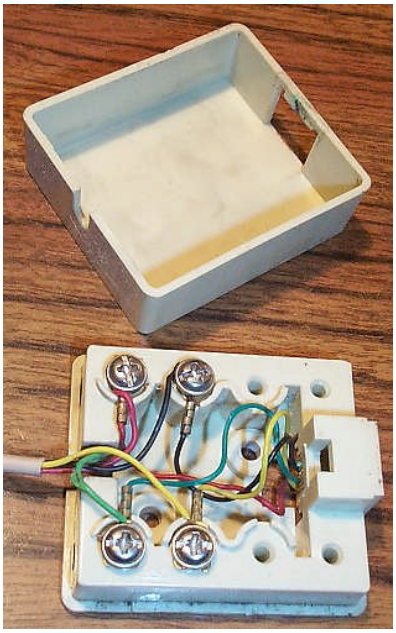
Fig# A3

Above Splitters are connected to the main phone jack or "**Network Interface Device".**

From the splitter to the main phone jack or the actual phone company connection – only line one is connected – the **red** and **green** (the two center wires). Again, the **black** and **yellow** are not connected to the phone company. The **black** and **yellow** wires are used by the **Credit Card Unit** for special features and should not be connected to line #2 going to the phone company's central office.
See **Video Link below:**
http://www.expertvillage.com/video/3974_phone-jack-wiring.htm



Fig# A4



Fig# A5

On Main Phone Jack (Network Interface Device), Line# 2, the Black and Yellow wires are not connected

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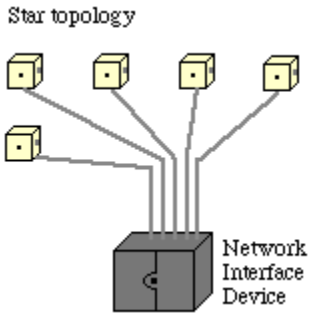
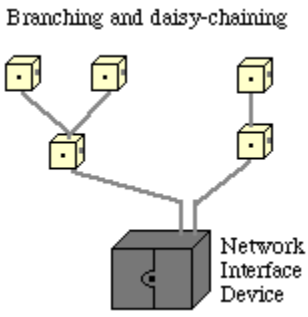


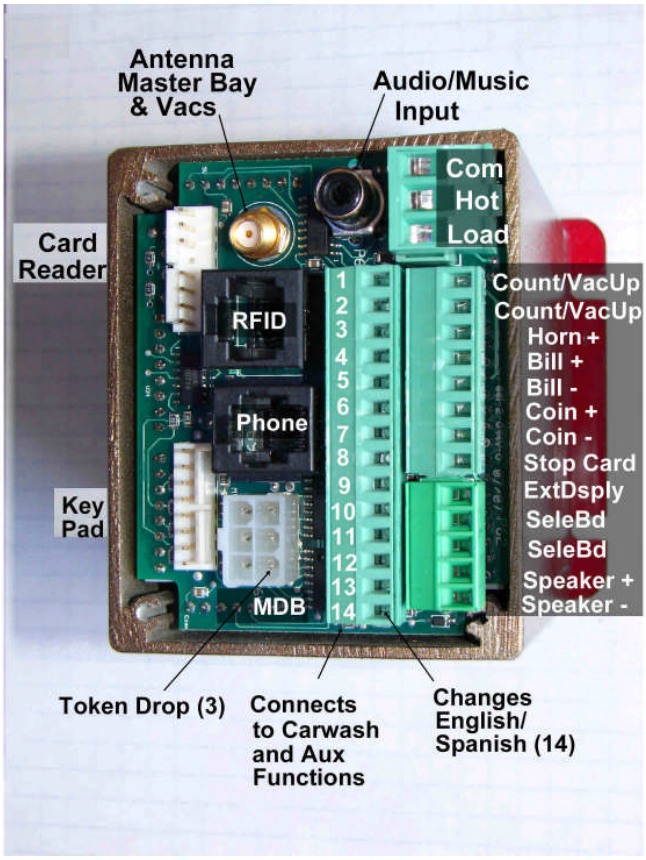
Star configuration/
Home-Runs
are recommended.

Fig# A6



Reduce Branching
and Daisy-Chaining
as much as possible

Fig# A7



Make sure the Phone Line is connected to the Phone Jack and not the RFID Jack.

Fig# A8

IV) 24 VAC Power.

Measure 24 VAC from Common to Hot at 24 V ± 5%
Measure 24 VAC from GND to Common at 0 V
Confirm that the 24 VAC Hot to Hot on all bays is 0 V – all bays must be phased the same. If any 24 VAC Hot to any other 24VAC Hot has more than 2 volts there may be a phasing issue.

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V) Grounding.

Solid Ground practices will reduce noise issues. See figure 9 below.

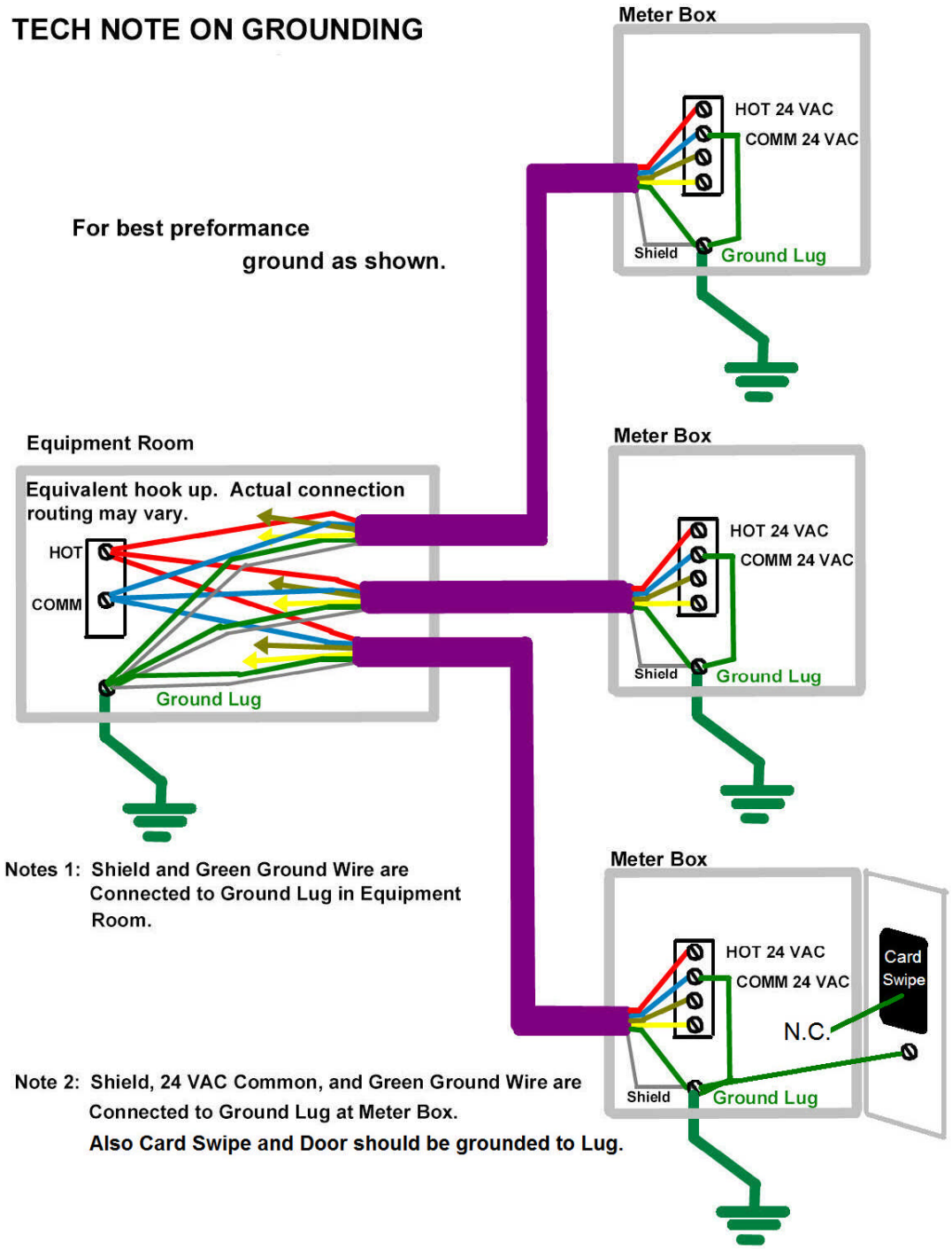

Fig #A9

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VI) Adjusting the Modem for an inadequate phone line.

Under the SYS Menu there is a sub-menu called GAIN
The GAIN has Four (4) selections to choose from:

0008 -8dB [Factory Set] used for normal to weak phone line
0009 -9dB Use normal to sensitive phone line
0010 -10dB Use for sensitive phone line
0011 -11dB Use for very sensitive phone line

A "weak" [Harder to Hear] phone line is one requiring a "stronger" modem signal necessary to communicate to the Credit Card Processing company. Try 008 or 009.

A sensitive [Cuts-out or Distorts with loud Volumes] phone line is one requiring a "softer" modem signal necessary to communicate to the Credit Card Processing company. Try 0010 or 0011.

Appendix B

Remote Display Option

A display extension is available allowing the Internal Meter Box Display to be mounted in confined locations.

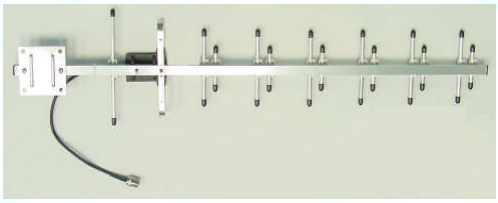
Appendix C

Cellular Connection Option

Cellular service is available for areas where land line service is not available or if you prefer to go wireless.
Select a calling plan from:
Verizon (CDMA)
Sprint (CDMA)
T-mobile (GSM)
AT&T (GSM)
Cingular (GSM)

We will provide you with a Cellular Module to match you Service Provider's requirement. Only one Cellular Module is required for multiple Bays, Vacuums, etc.

For remote locations or areas with a weak signal an additional antenna is available with extension cable.



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Appendix D

Software Revision History

If you are using an earlier Revision please note differences.

R1.17
STUP:WASH(10:00 –> 99:00)
STUP:MAX($25.00 –> $250.00)
SYS:GAIN

R1.18
SYS:ALARM
MRCH:TRAN

R2.00
Printer Support
SYS:NAM1,NAM2
STUP:TAX
SYS:HOST:SELF,AUTO,PET,VEND
MRCH:DIAL

R2.01
Internal Updates

R2.02
Broadcast Declined Card
LINK:CATG
LINK:COPY

R2.03
MRCH:LOC
BONUS:SPCL

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