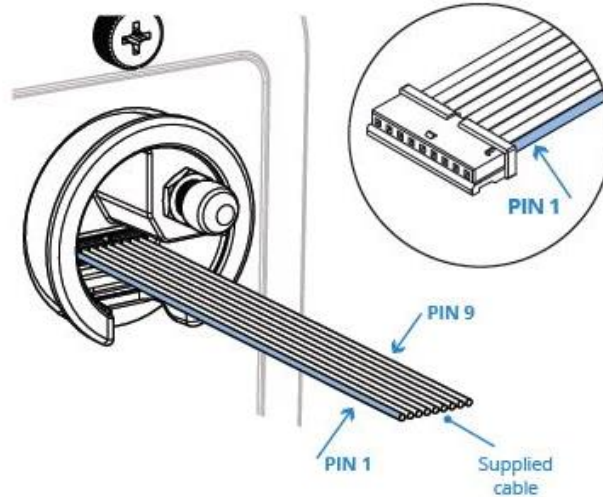


CT400 Installation Guide

CT400 Wiring



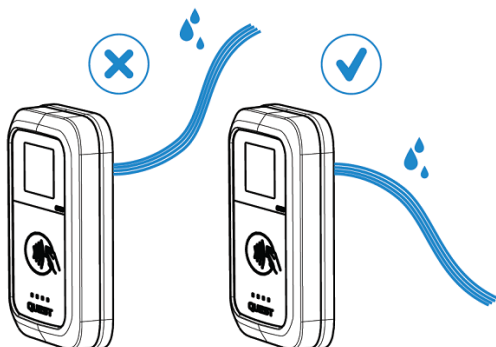
NOTE:

If connecting to 12V DC:
+ terminal is PIN 4, **Ground** is PIN 3

CT400 Wiring		
Pin #	Colour	Detail
1	Yellow	Relay Contact
2	Yellow	Relay Contact
3	Orange	24VAC_N
4	Red	24VAC_A
<i>Terminals below for non-pulse applications (Auto Entry etc)</i>		
5	Black	RS232_RXD
6	Brown	RS232_TXD
7	Blue	GND
8	Purple	CC TALK
9	Grey	GND

On all CT400 installations you MUST install using the provided weather resistant seal.

You MUST dress the loom with the supplied cable ties. Ensure the cables run down after leaving the CT400 and **not up**. If you must head in an upward direction, ensure you leave a downward loop just before the white connector. This will direct any water that may run along the loom on the loop, down and away from the rear of the CT400.



Self Serve Touch Select Bay Installation

Tips:

Power supply CT400 is from Coin Mech power to ensure that if site is not open 24hrs then the CT400 will turn off with the Coin Mech, this will not allow customer to purchase time after hours.

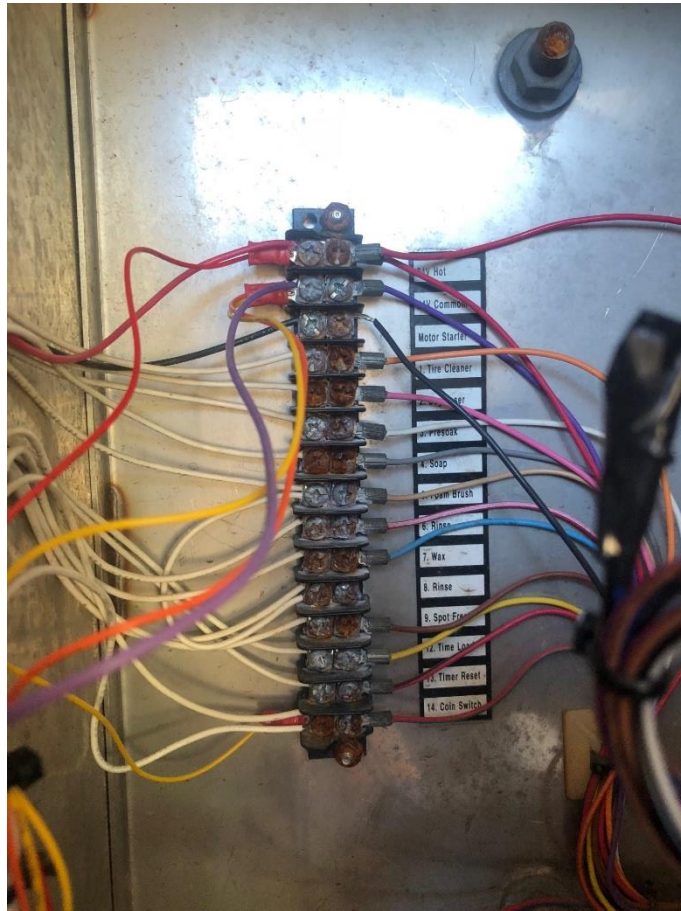
This does not apply for the Dilling-Harris pump stand, we just get 24V from Terminal 1, HOT.

The iWash Touch Select requires N (Neutral) Coin Pulse, we switch the 24VAC_N to get the coin pulse to the timer.

The old terminal strip and new terminal strip have different locations for Line and Neutral, see tables on the following pages.

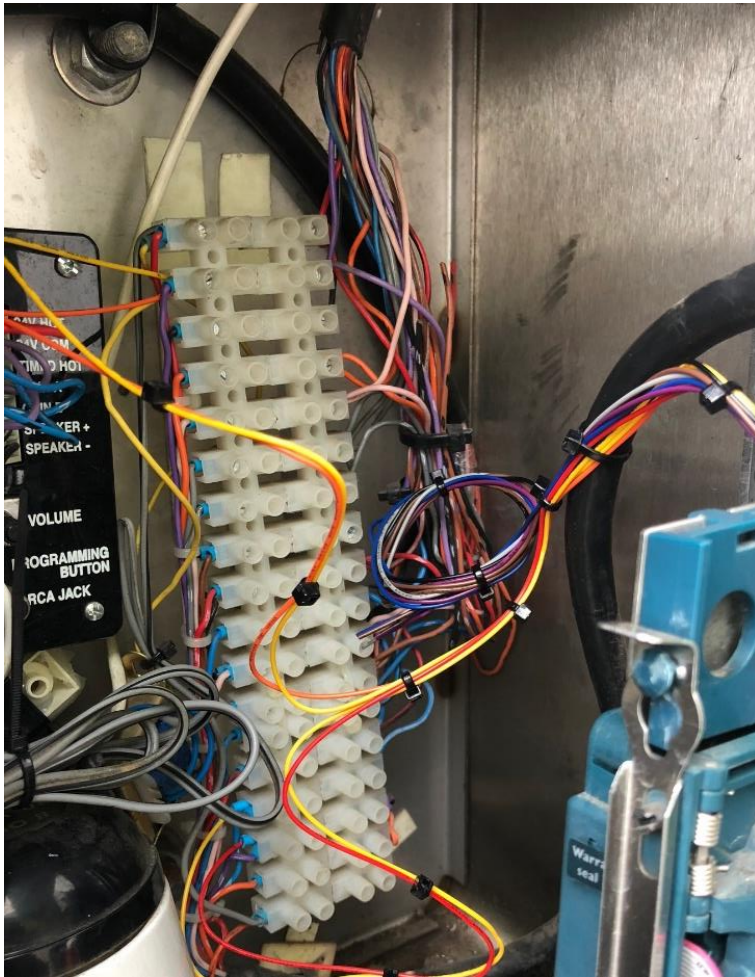
N = Neutral C = Common 0V = Purple

Dilling-Harris Touch Select style loom wiring



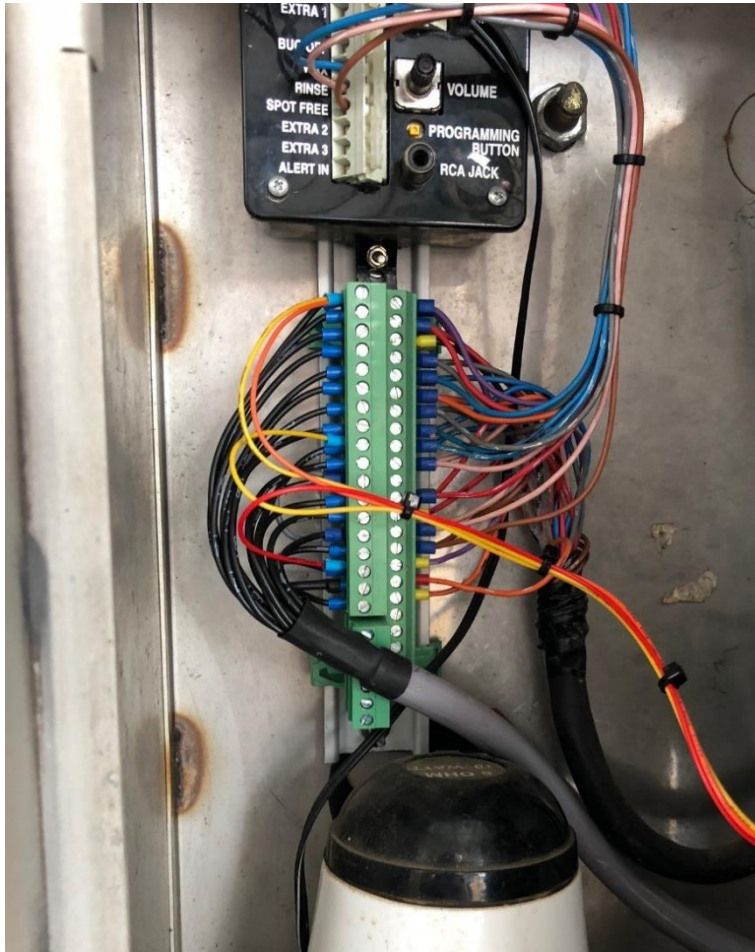
Dilling-Harris Self Serve		
Description	CT400	Dilling Harris Self Serve
24V AC_L	Red – Pin 4	Red Terminal 1
24V AC_N	Orange – Pin 3	Purple (Terminal 2 –N Common)
Coin Pulse In/Supply (N)	Yellow – Pin 1	Purple (Terminal 2 –N Common)
Coin Pulse Out/Load (N)	Yellow – Pin 2	Red (Terminal 14 – Coin Switch)

iWash Touch Select old style loom wiring (WHITE TERMINAL STRIP)



iWash Touch Select Self Serve (OLD STYLE – WHITE TERMINAL STRIP)		
Description	CT400	iWash Touch Select Self Serve (OLD LOOM)
24V AC_L	Red – Pin 4	Purple/White (Terminal 16 –Coin Mech Power)
24V AC_N	Orange – Pin 3	Purple (Terminal 2 - N)
Coin Pulse In/Supply (N)	Yellow – Pin 1	Purple (Terminal 2 - N)
Coin Pulse Out/Load (N)	Yellow – Pin 2	Blue White (Terminal 15 – Coin Pulse)

iWash Touch Select new style loom wiring (GREEN TERMINAL STRIP)

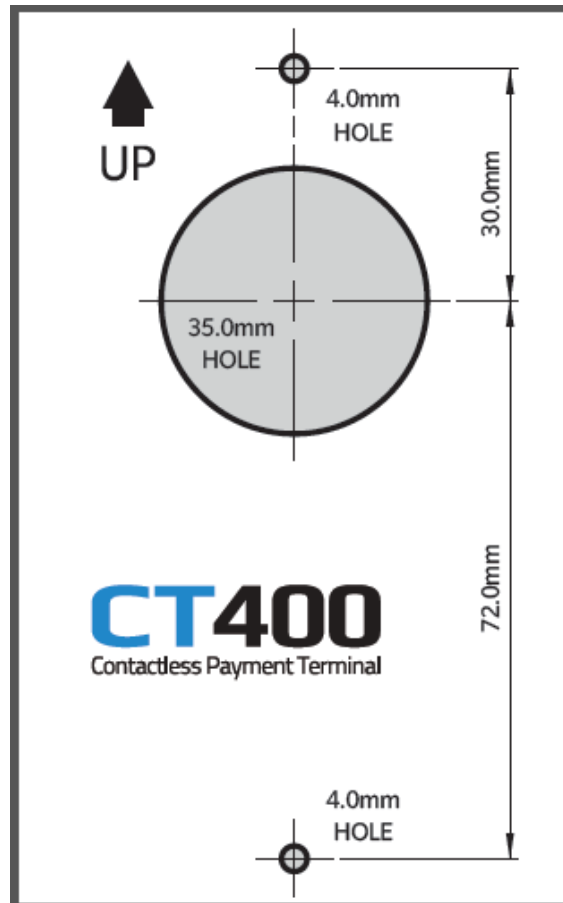


iWash Touch Select Self Serve (NEW STYLE – GREEN TERMINAL STRIP)		
Description	CT400	iWash Touch Select Self Serve (NEW LOOM)
24V AC_L	Red – Pin 4	Purple/White (Terminal 16 –Coin Mech Power)
24V AC_N	Orange – Pin 3	Purple (Terminal 1 - N)
Coin Pulse In/Supply (N)	Yellow – Pin 1	Purple (Terminal 1 - N)
Coin Pulse Out/Load (N)	Yellow – Pin 2	Blue White (Terminal 9 – Coin Pulse)

CT400 Device Template

The template below IS TO SCALE.
Please print this page in A4 and select NON-SCALING, 100% or ACTUAL SIZE.
Check the measurements on the template to ensure it is the correct size.
Use this template when drilling. For device positioning on doors please see dimensions
in the following pages.

***All other templates in this document are NOT TO SCALE.**

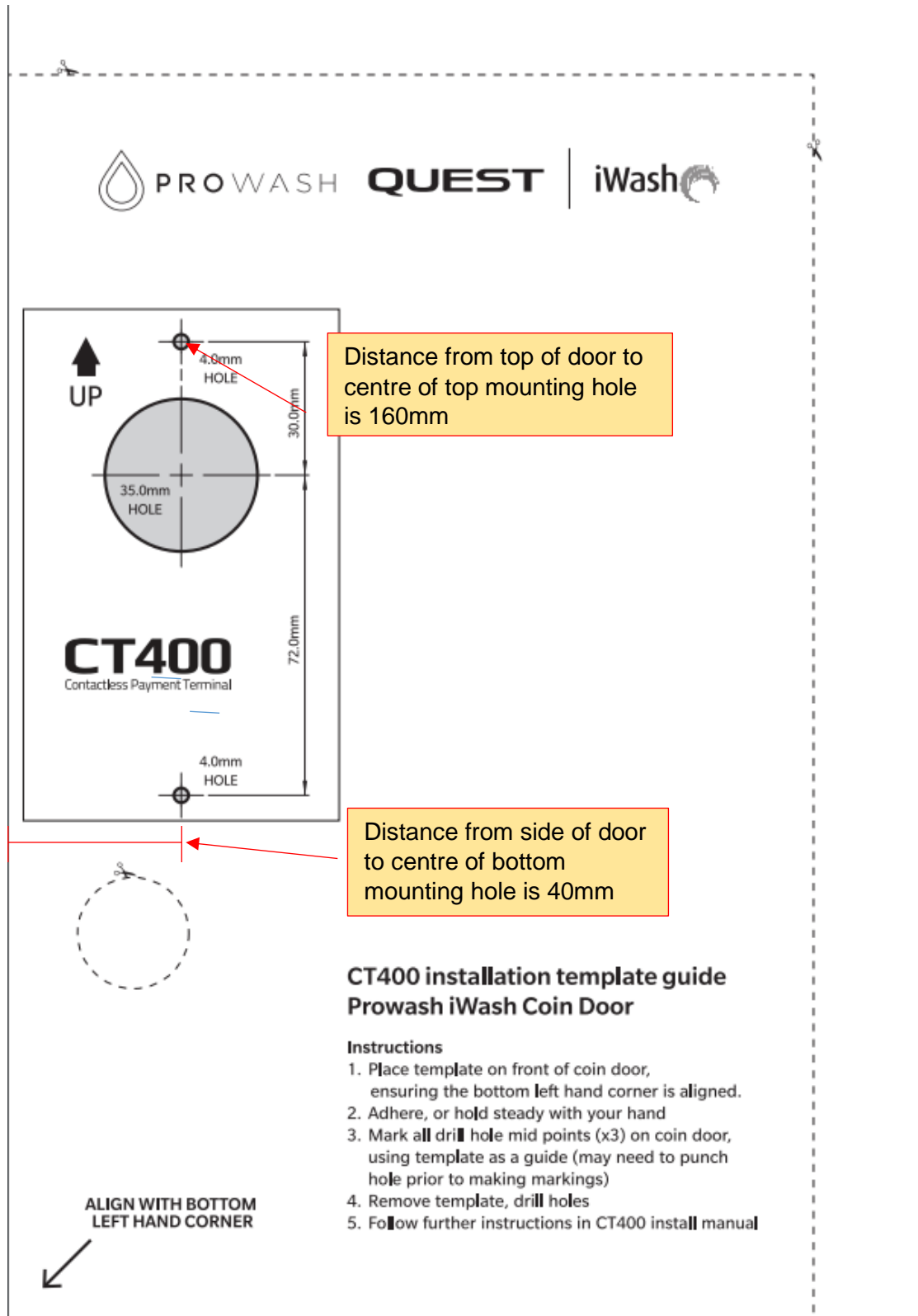


Template : iWash Touch Select door (HINGED TYPE)

The template below is NOT to scale, it is for indication purposes only. The original PDF is to scale if printed in A4 and you select NO SCALING.

This can be sourced on our website or by using the following link

<https://www.prowash.com.au/images/prowash/manuals/iWash%20hinged%20door%20CT400%20install%20template%20A4.pdf>

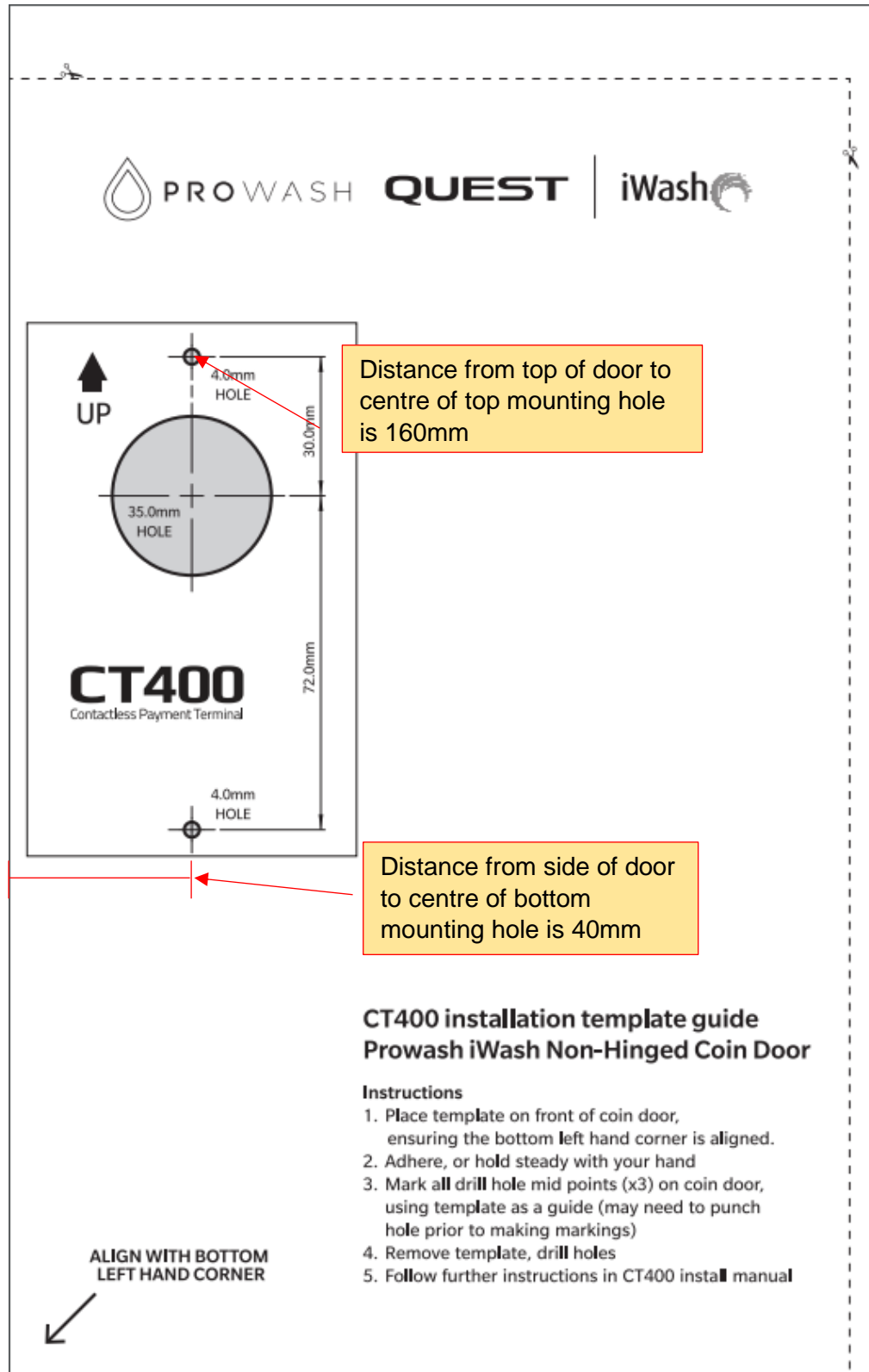


Template : Dilling-Harris / iWash Touch Select door (NON-HINGED TYPE)

The template below is NOT to scale, it is for indication purposes only. The original PDF is to scale if printed in A4 and you select NO SCALING.

This can be sourced on our website or by using the following link

<https://www.prowash.com.au/images/prowash/manuals/iWash%20nonhinged%20door%20CT400%20install%20template%20A4.pdf>



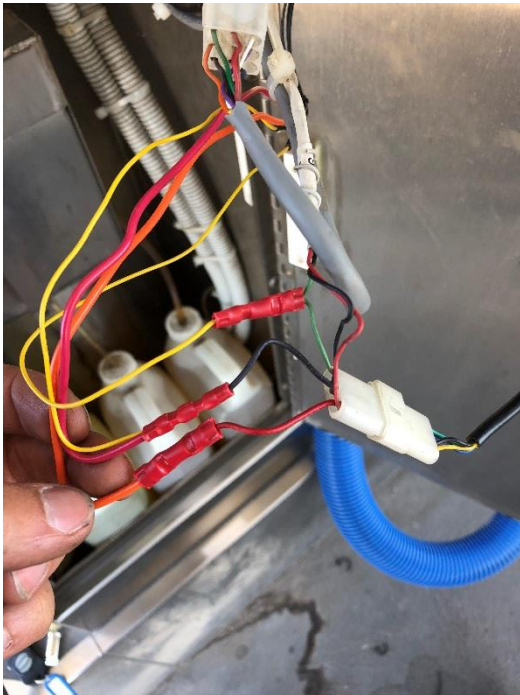
Fragramatics Vac/Fragrance Combo SAV-F

Tips:

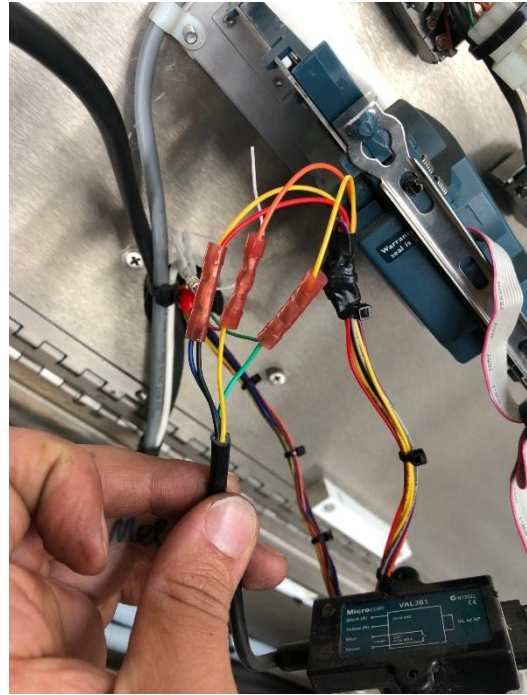
The Framagramatics SAV-F requires an A (Active) for a coin pulse, so for this reason we connect the Coin Pulse supply (Yellow – Pin 1) on the CT400 to the Black (A) of the Framagramatics loom.

We connect the CT400 to the SAV-F side of the VAL361. This is so that if in the future a new VAL361 is required then it can be unplugged and replaced without having to rewire the CT400. Refer to images below.

Fragramatics Vac/Fragrance Combo SAV-F		
Description	CT400	Fragramatics SAV-F (Microcoin VAL361 - 3pin plug machine side)
24V AC_L	Red – Pin 4	Black (A)
24V AC_N	Orange – Pin 3	Red (N) – (VAL side of connector is Yellow)
Coin Pulse In/Supply (A)	Yellow – Pin 1	Black (A)
Coin Pulse Out/Load (A)	Yellow – Pin 2	Green (Coin Pulse)



With plug, this keeps the SAV-F original and makes swapping the VAL361 easy if it fails.



Without plug, it had been cut out in the past

Fragramatics SAV-F CT400 mounting

Prior to installing the CT400 on the Fragramatics SAV-F you will need to cut and remove the instructions decal. Below shows the approximate dimensions for the positioning of the CT400.

Approx: 27mm from the side, 73mm from the top of black solid line on the decal.



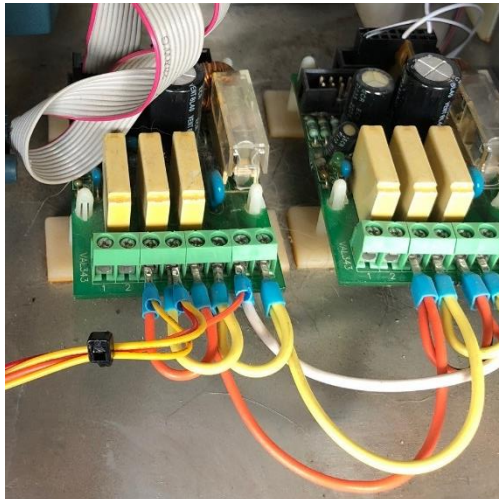
Tru Blu Dog Wash

Tips:

The Tru Blu dog wash requires an A (Active) coin pulse.

We wire the power and coin pulse for the CT400 directly to the VAL343 interface board terminal strip in the dog wash.

Tru Blu Dog Wash		
Description	CT400	Tru Blu Dog Wash
24V AC_L	Red – Pin 4	T8 – OR (Terminal that is Looped to T8)
24V AC_N	Orange – Pin 3	T7 - Neutral
Coin Pulse In/Supply (A)	Yellow – Pin 1	T6 – OR (Terminal that is Looped to T6)
Coin Pulse Out/Load (A)	Yellow – Pin 2	T5 – OR (Terminal that is looped to T5)



Please take the time to read and understand the following:

As you can see the image above does not follow the table directly. Due to space in the terminals, I connected in the loop terminals and this gives the same electrical connection.

T8 is looped to T4 and T6 – I connected in T4

T7 only has one cable so I connected in T7

T6 is looped to T4 and T8 – I connected in T4

T5 is looped to T3- I connected in T3

Dual VAL343 Board - some dog washes only have one VAL343 board.

The table above can be used for both.

Tru Blu Dog Wash CT400 mounting

The aim for the dog wash is to mount the CT400 beside the note reader. Space it evenly so that it is in a central position beside the reader and also evenly spaced vertically.

Tip:

Drill small mounting holes and check on rear to ensure the large cable hole is not going too close to the stainless enclosure edge on the rear.

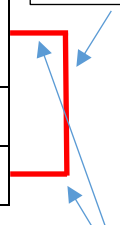


Prowash iVac wiring

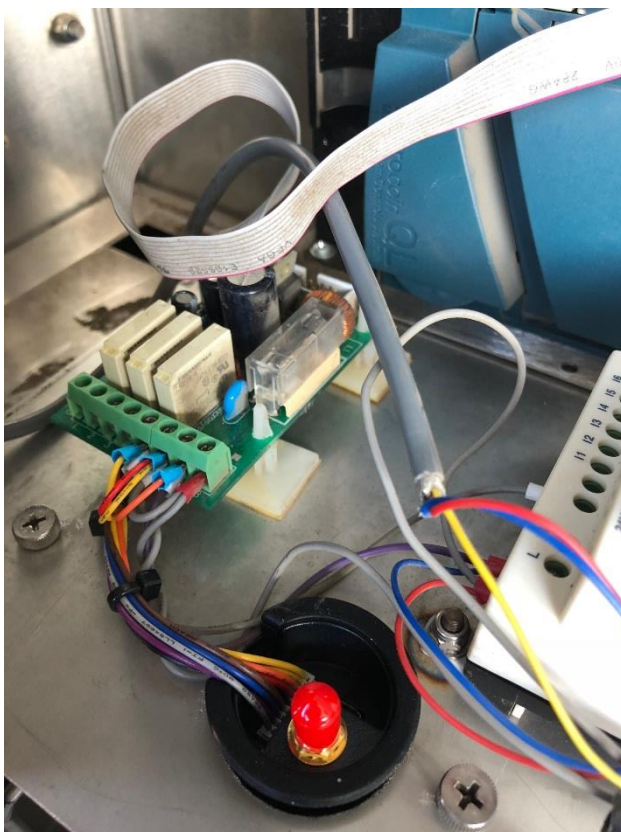
Wire directly to the VAL343 Board

CT400 Cable	CT400 Description	Electrical Connection 343	General Function 343	T #343
		Output 1 Line	Coin Line 1	1
		Output 1 Load		2
		Output 2 Line	Coin Line 2	3
		Output 2 Load		4
Yellow – Pin 2	Coin Pulse Out/Load (A)	Output 3	Accumulated (most commonly used output)	5
Yellow – Pin 1	Coin Pulse In/Supply (A)	Output 3 Loop to L-Active		6
Orange – Pin 3	24V AC_N	N-Common	-24VAC	7
Red – Pin 4	24V AC_L	L-Active	+24VAC	8

Existing Active Pulse loop



The same electrical connection wire into either 6 or 8.



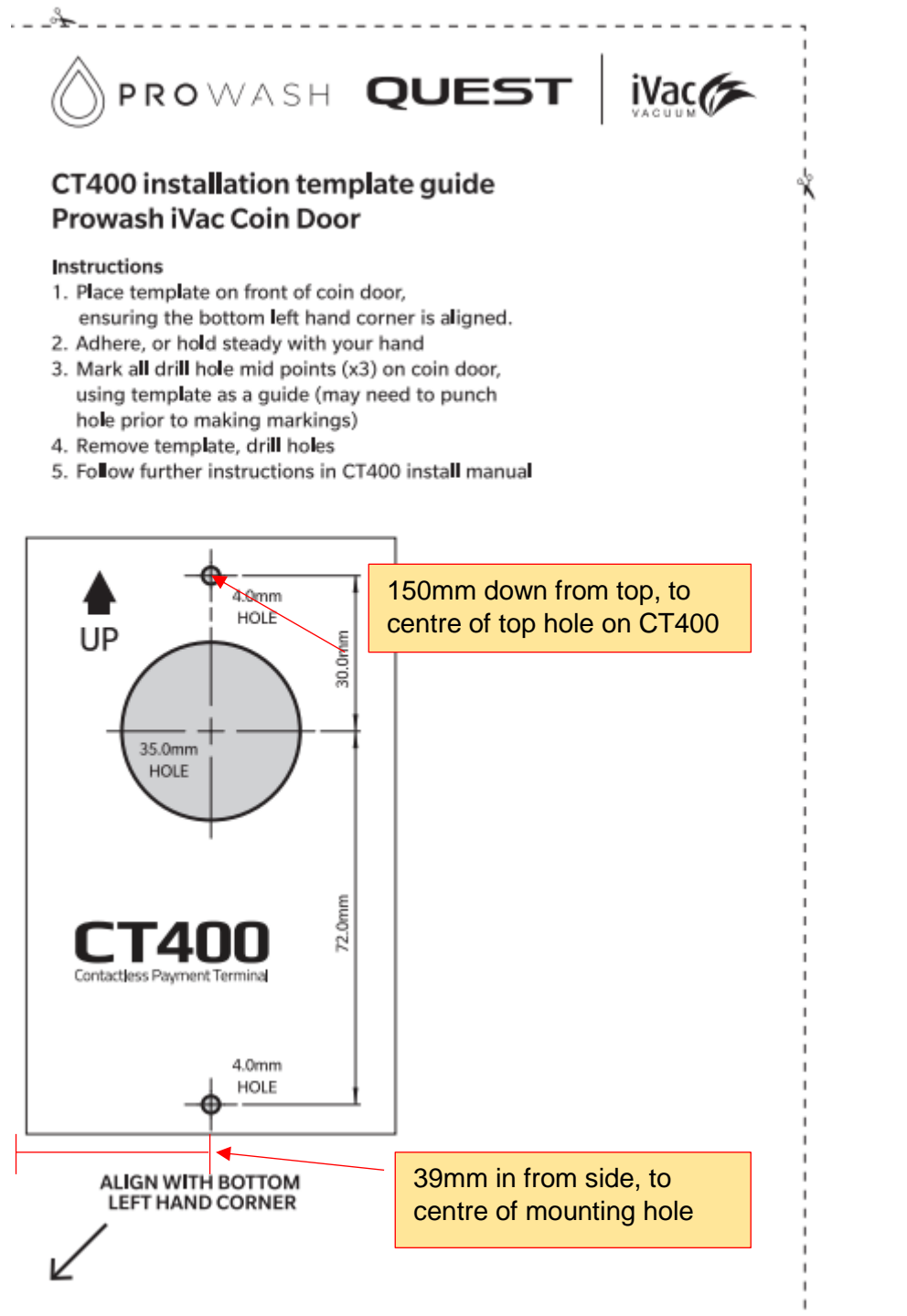
With this VAL343 I have utilised the existing loop terminal from 8-6. To connect Red active cable in with the Yellow coin pulse. If the terminals are looped they are the same electrical connection.

Template : iVac Vacuum

The template below is NOT to scale, it is for indication purposes only. The original PDF is to scale if printed in A4 and you select NO SCALING.

This can be sourced on our website or by using the following link

<https://www.prowash.com.au/images/prowash/manuals/iVac%20CT400%20install%20template%20A4.pdf>



General Principle for VAL343 Board Wiring

You will need to get power from 7(N), 8 (A). You will then be switching between 5, 6.

If you cannot fit wires in these terminals it is ok to connect to other terminals that are looped to the necessary terminals.

CT400 Cable	CT400 Description	Electrical Connection 343	General Function 343	T #343
		Output 1 Line	Coin Line 1	1
		Output 1 Load		2
		Output 2 Line	Coin Line 2	3
		Output 2 Load		4
Yellow – Pin 2	Coin Pulse Out/Load (A)	Output 3 Line	Accumulated (most commonly used output)	5
Yellow – Pin 1	Coin Pulse In/Supply (A)	Output 3 Load		6
Orange – Pin 3	24V AC_N	N-Common	-24VAC	7
Red – Pin 4	24V AC_L	L-Active	+24VAC	8

Black Loop from T7-T6 = Neutral Pulse for equipment that requires a neutral coin pulse
Red Loop from T8-T6 = Active Pulse for equipment that requires active coin pulse
 * The link would already be installed in a machine that is operational and you are retro fitting the CT400 on

