

## **Typhoon Surge Suppressor Installation (1400 Processor)**

### ***Parts Needed:***

1. (4) A-14875 terminal block surge suppressor 240VAC
2. (1) A-11958 terminal end barrier AB
3. (1) Supplied drawing/diagram

### ***Wiring Needed:***

1. (3) AWG 14 or 16 stranded wire (jumpers) approx. 4" long
2. (1) AWG 14 or 16 stranded wire (feed to #2 terminal) approx. 2' long

### ***Tools Needed:***

1. Volt meter (to check AC voltage)
2. Slotted screwdriver (typically 5/64)
3. Wire strippers

### ***Installation Instructions:***

1. Locate the source for the 220VAC leading into your control panel.
2. Power down your 220VAC control voltage.
3. Confirm with your volt meter that you have "0" volts at all points using 220VAC (typically your water and hydraulic pump contactors).
4. Locate the four (4) terminal blocks feeding power to your pump motors (typically, 54 -water pump #1, 55- water pump #2, 56- spot free pump, and 57 -hydraulic pump).
5. Again using your volt meter, be sure you have "0" voltage leading into these terminal blocks.
6. Using your slotted screwdriver, locate the lock tab on the lower end of each terminal block and pry out.
7. While prying out, slightly pull out on each terminal block and remove them, leaving all wires connected for now.
8. With the four (4) terminal blocks now removed and hanging, insert the four (4) terminal block surge suppressors and the terminal end barrier in their places and label them accordingly (these just clip into the din rail).
9. Strip the ends of your *jumpers* and insert into the terminal block surge suppressors as indicated on supplied drawing.
10. Insert the *feed to #2 terminal* into one of the terminal block surge suppressors as indicated on supplied drawing.
11. Connect the other end of the *feed to #2 terminal* into any of the terminal blocks labeled "2".

- 12.** One by one, remove the wires from the original terminal blocks and reconnect them into the top levels of the terminal block surge suppressors (be sure not to cross any wires).
- 13.** Locate the wire that feeds the 220VAC contactors (its origin will be a "2" terminal block).
- 14.** Remove this wire from its origin ("2" terminal block) and insert it into the lower level of any of the terminal block surge suppressors.
- 15.** You should now have all wires connected and are ready to power up.
- 16.** Power up the 220VAC system, and run a test wash (dry wash if you prefer) to confirm that your machine is operating properly.

ITEM NO.	Number	Component	QTY.
1	A6092	Din Rail (199DR1)	1
2	A-14875	TERMINAL BLOCK SURGE SUPPRESSOR 240VAC 1492-HM2K240	4
3	A-11958	TERMINAL END BARRIER AB 1492-NM40	1

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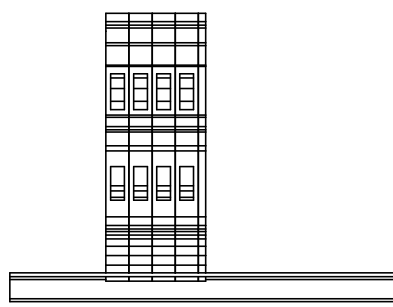
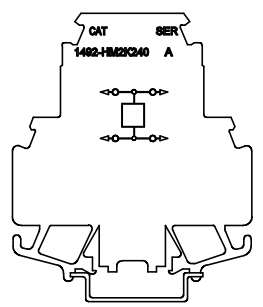
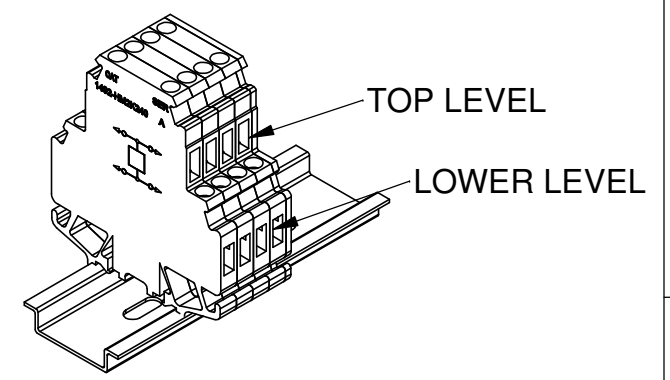
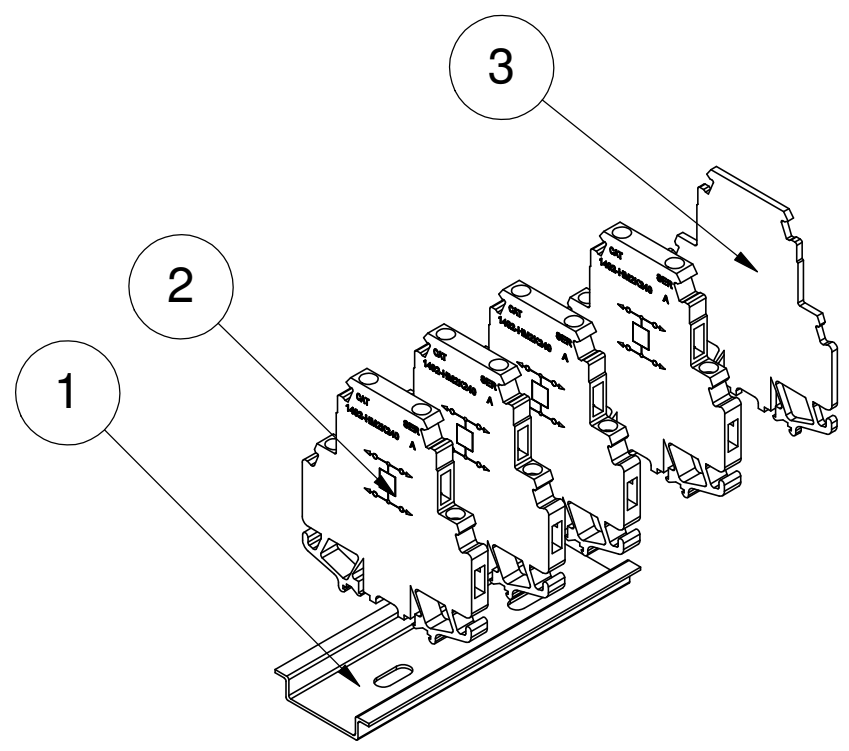
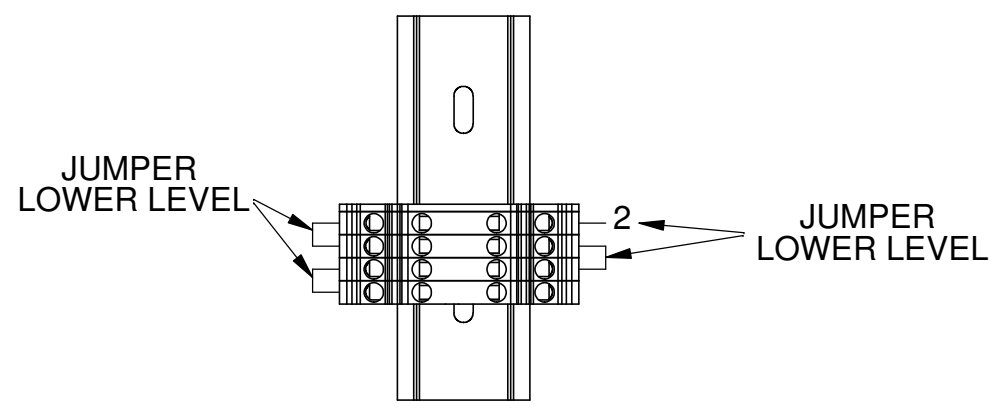
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A

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MACHINE	SUPPRESSORS	OUTPUT ASSIGNMENT	WIRE NUMBERS	
			TOP LEVEL	BOTTOM LEVEL
852M12	240VAC	WATER PUMP#1	54	2
	240VAC	WATER PUMP#2	55	2
	240VAC	SPOTFREE PUMP	56	2
	240VAC	HYDRAULIC PUMP	57	2
XP2M12	240VAC	WATER PUMP#1	O004	2
	240VAC	HYDRAULIC PUMP	O005	2
	240VAC	N/A	O006	2
	240VAC	SPOTFREE PMP	O007	2

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**STANDARD TOLERANCES**

X.X	= ± 0.063
X.XX	= ± 0.015
X.XXX	= ± 0.005
ANGLE	= ± 0°30'
FLATNESS	= 0.05/FT

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DIMENSIONS IN [ ]  
ARE MILLIMETERS

UNLESS OTHERWISE NOTED BREAK ALL SHARP EDGES  
AND CORNERS .015 AND 64 μIN SURFACE FINISH ALL OVER

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MATERIAL	LISTED
MATERIAL NO.	LISTED
SIZE	LISTED
HEAT TREAT	N/A
SURFACE	N/A
ASSEMBLY	N/A

COMPONENT  
**SURGE SUPPRESSOR UPDATE**

QTY/ASSY N/A	DWG NO <b>B-XXXXX</b>	REV A-01
SCALE 1:2	BY JJH	DATE 07/02/15
	SHT 1	OF 1

REV.	DESCRIPTION	DATE	APVD
REVISIONS			

REV A-01

DWG NO B-XXXXX