

MEIKO USA
 1349 Heil Quaker Blvd.
 Lavergne, TN 37086
 800-868-3840

WIRING DIAGRAM

Model Number : FV130.2
 Voltage : 460VAC 60Hz
 Phase : 3 Phase

Released For Production :

Editor : SZ

FOR USE WITH THE FOLLOWING OPTIONS:

- Internal Chemical Dosing Pumps
- Drain Water Tempering Kit
- Power Cord Kit
- External Vent Fan Control
- Dual Tank Fill System

| | | | |
|------------------------|------------|-----|--|
| RELEASE FOR PRODUCTION | 04/01/2005 | LST | |
| RELEASE ON SUPPLY | 04/01/2005 | LST | |
| LAST DRAWER | 11/09/09 | SZ | |
| REVISION | | | |

WIRING DIAGRAM



FV130.2 USA
 460V 3 PH+G 60Hz
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FV130.2

| INPUT / OUTPUT ALLOCATION TABLE | | | |
|---------------------------------|----------------|------------------------------------|------------|
| LEVEL | INPUT / OUTPUT | ASSIGNMENT | CONNECTION |
| 2-2 | INPUT 1 | S1: DOOR CLOSED | XA6 1/9 |
| 2-2 | INPUT 2 | S2: BOOSTER LEVEL SWITCH | XA6 2/10 |
| 2-2 | INPUT 3 | S3: FLOOR LEAKAGE | XA6 3 |
| 2-2 | INPUT 4 | | XA6 4/12 |
| 2-2 | INPUT 5 | | XA6 5/13 |
| 2-2 | INPUT 6 | | XA6 6/14 |
| 2-2 | INPUT 7 | | XA6 7/15 |
| 2-2 | INPUT 8 | | XA6 8/16 |
| 2-2 | INPUT 9 | FSK: RINSE AID LEVEL (OPT.) | XA4 1/2 |
| 2-2 | INPUT 10 | FSR: DETERGENT LEVEL (OPT.) | XA4 3/4 |
| 2-2 | INPUT 11 | LD: CHEMICAL LEAK DETECTION | XA4 5/6 |
| 2-2 | INPUT 12 | | XA4 7/8 |
| 2-2 | INPUT 22 | | XA4 9/10 |
| 2-2 | INPUT 19 | B1: BOOSTER TEMPERATURE | XA5 1/2 |
| 2-2 | INPUT 20 | B2: TANK TEMPERATURE | XA5 3/4 |
| 2-2 | INPUT 21 | B3: TANK LEVEL | XA10 1/2/3 |
| 2-3 | OUTPUT 1 | K5: BOOSTER PUMP CONTACTOR | XA1 4 |
| 2-3 | OUTPUT 2 | M6: GEARED MOTOR (WASH ARM MOTION) | XA1 5 |
| 2-3 | OUTPUT 3 | M5: DRAIN PUMP | XA1 6 |
| 2-3 | OUTPUT 4 | M3/KP: RINSE AID DOSING | XA2 2 |
| 2-3 | OUTPUT 5 | M4/RP: DETERGENT DOSING | XA2 7 |
| 2-3 | OUTPUT 6 | K4: POWER CUTTING CONTACTOR | XA2 9 |
| 2-3 | OUTPUT 7 | Y1: FILLING VALVE | XA3 1 |
| 2-3 | OUTPUT 8 | Y2: SOFT START VALVE | XA3 2 |
| 2-3 | OUTPUT 9 | K1.1/1.2:BOOSTER HEATING CONTACTOR | XA3 3 |
| 2-3 | OUTPUT 10 | K2: TANK HEATING CONTACTOR | XA3 4 |
| 2-3 | OUTPUT 11 | K3: WASH PUMP CONTACTOR | XA3 5 |
| 2-3 | OUTPUT 12 | | XA3 6 |

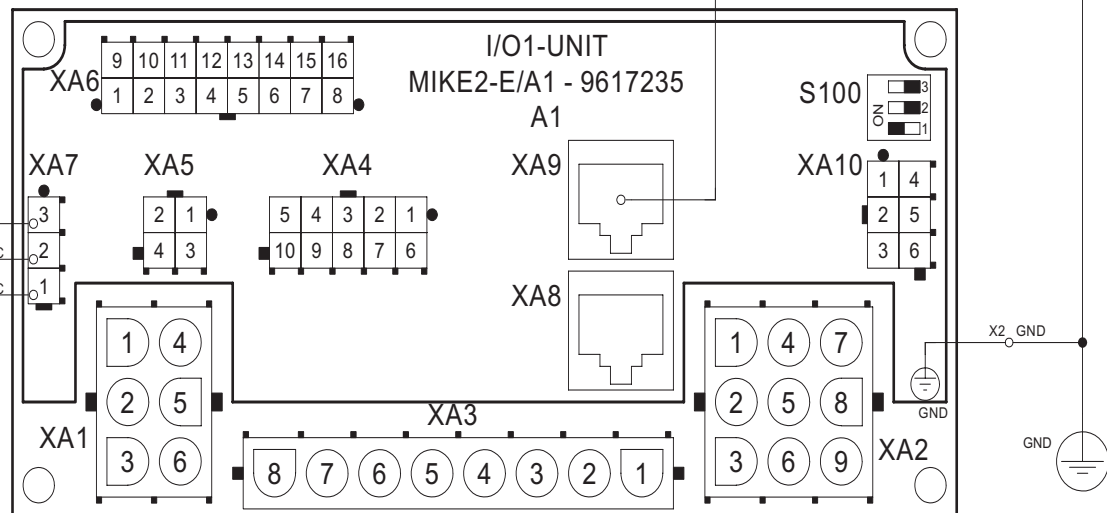
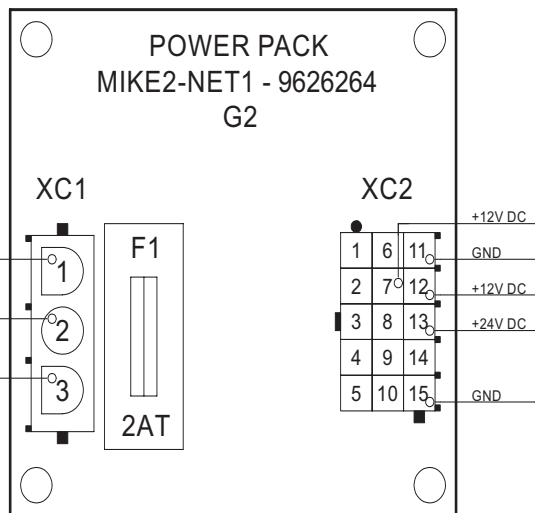
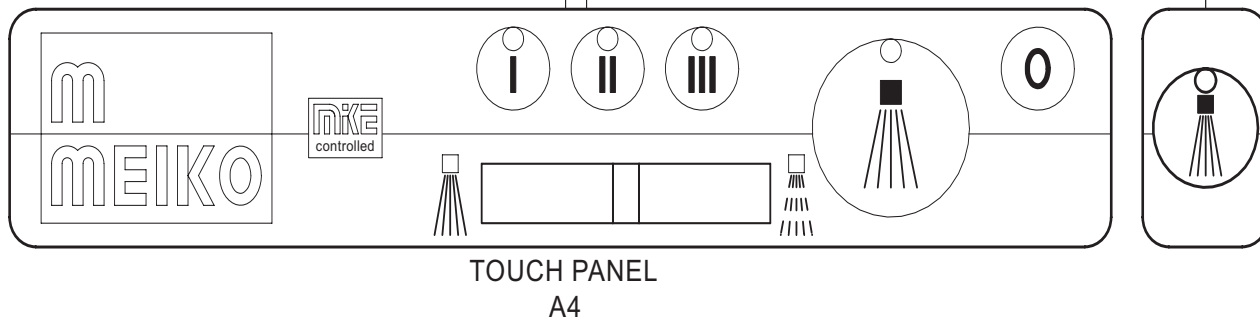
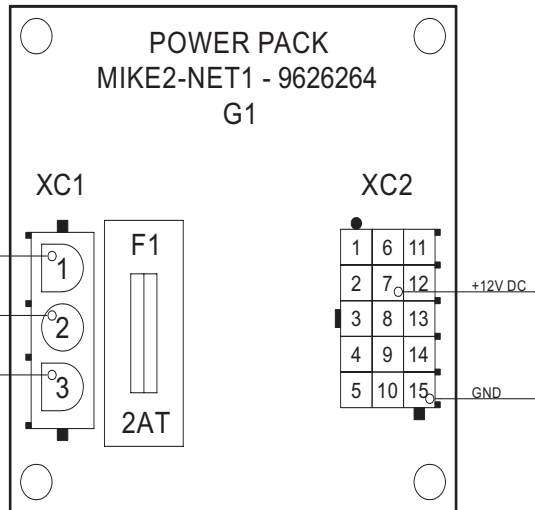
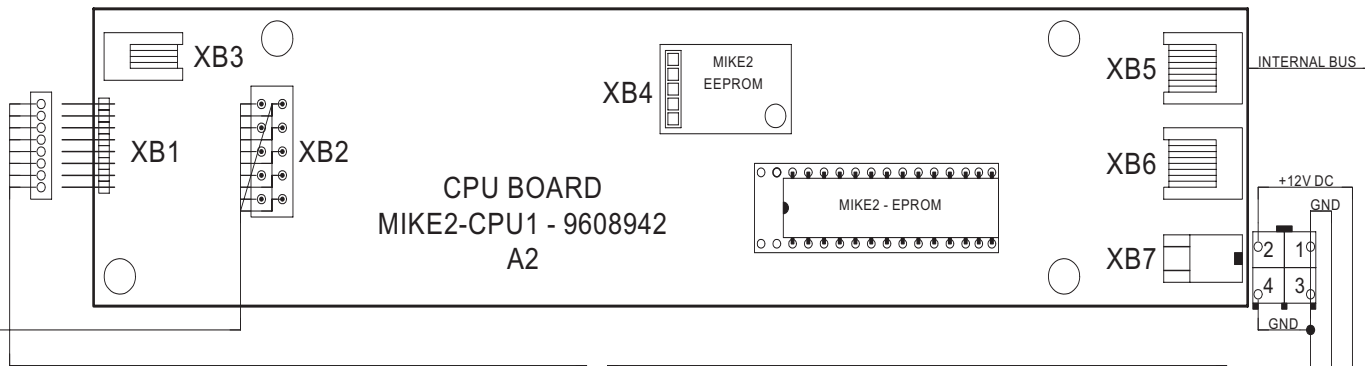
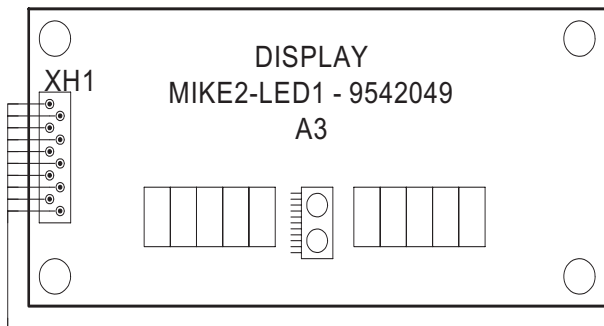
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460V 3 PH+G 60Hz
ALLOCATION TABLE

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FV130.2



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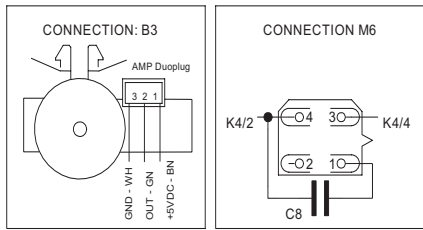
WIRING DIAGRAM



FV130.2 USA
460V 3 PH+G 60Hz
ELECTRONIC CONTROL

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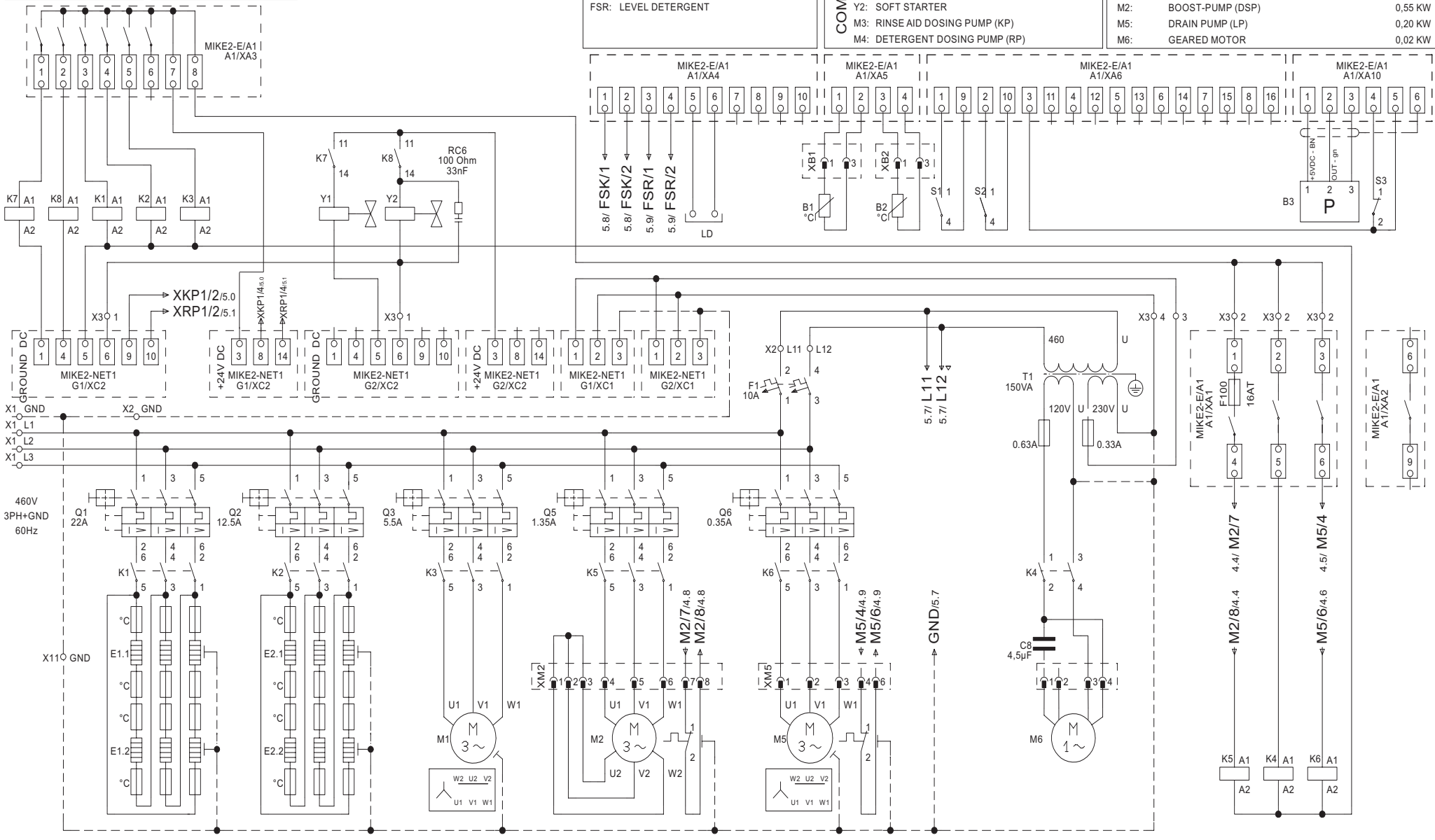
FV130.2



- ### CELLS
- B1: BOOSTER TEMPERATURE SENSOR
 - B2: TANK TEMPERATURE SENSOR
 - B3: TANK LEVEL
 - S1: DOOR SAFETY SWITCH
 - S2: BOOSTER LEVEL SWITCH
 - S3: LEAK WATER - PAN
 - LD: LEAKAGE DOSING
 - FSK: LEVEL RINSE-AID
 - FSR: LEVEL DETERGENT

- ### COMPONENTS 24V DC
- K1: BOOSTER CONTACTOR
 - K2: TANK HEAT. CONTACTOR
 - K3: WASH PUMP CONTACTOR
 - K4: POWER CUTTING CONTACTOR
 - K5: BOOST PUMP CONTACTOR
 - K6: DRAIN PUMP CONTACTOR
 - K7: RELAY FILLING VALVE
 - K8: RELAY SOFT STARTER VALVE
 - Y1: FILLING VALVE
 - Y2: SOFT STARTER
 - M3: RINSE AID DOSING PUMP (KP)
 - M4: DETERGENT DOSING PUMP (RP)

- K9: ANTI CHATTER RELAY
 - Y3: WASH TANK FILLING VALVE
 - F1: WASH TANK FLOAT SWITCH
 - R1: WASH TANK FILL RELAY
 - T1: OFF DELAY TIMER WASH TANK FILL 30 SECONDS
- ### COMPONENTS 230V AC
- E1.1/E1.2: BOOSTER HEATING 2x6,00 KW / 2x7,50 KW
 - E2.1/E2.2: TANK HEATING 2x4,50 KW
 - M1: WASH PUMP (WP) 2,60 KW
 - M2: BOOST-PUMP (DSP) 0,55 KW
 - M5: DRAIN PUMP (LP) 0,20 KW
 - M6: GEARED MOTOR 0,02 KW



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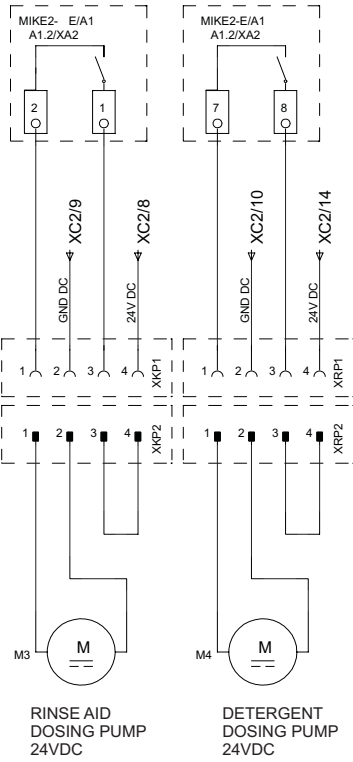
WIRING DIAGRAM



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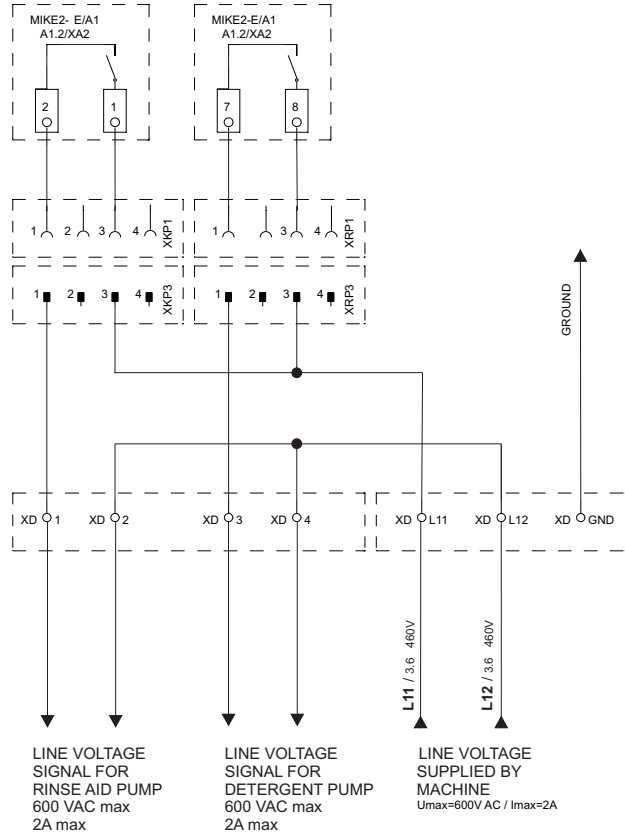
INTERNAL DOSING PUMPS - 24VDC



RINSE AID DOSING PUMP 24VDC

DETERGENT DOSING PUMP 24VDC

EXTERNAL DOSING PUMPS - LINE VOLTAGE

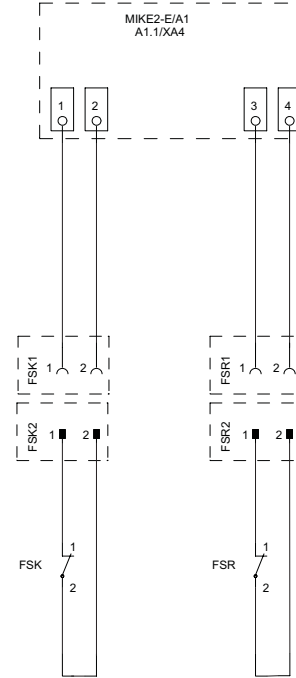


LINE VOLTAGE SIGNAL FOR RINSE AID PUMP 600 VAC max 2A max

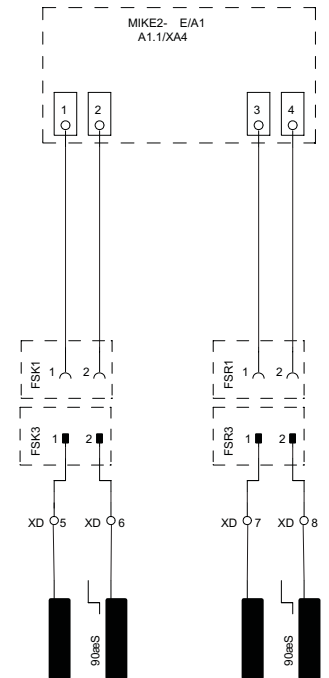
LINE VOLTAGE SIGNAL FOR DETERGENT PUMP 600 VAC max 2A max

LINE VOLTAGE SUPPLIED BY MACHINE Umax=600V AC / Imax=2A

CHEMICAL AGENT LEVEL SENSOR (OPTIONAL)



CHEMICAL AGENT LEVEL SENSOR (OPTIONAL)



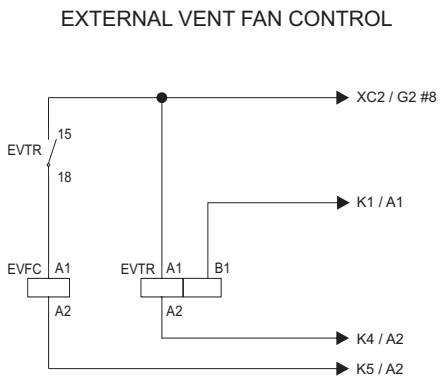
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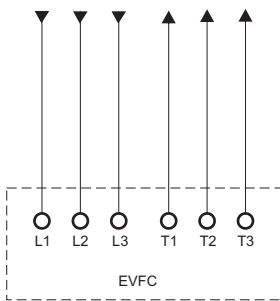
FV130.2 USA
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CHEMICAL DOSING CONNECTIONS

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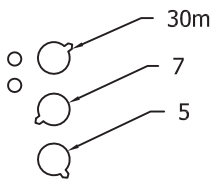
LINE VOLTAGE FOR EXHAUST FAN - IN*

LINE VOLTAGE TO EXHAUST FAN - OUT*



* 12 AWG 20A MAXIMUM

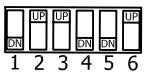
EVTR TIMER SETTINGS - DIAL STYLE



EVTR TIMER SETTINGS - DIP SWITCH STYLE



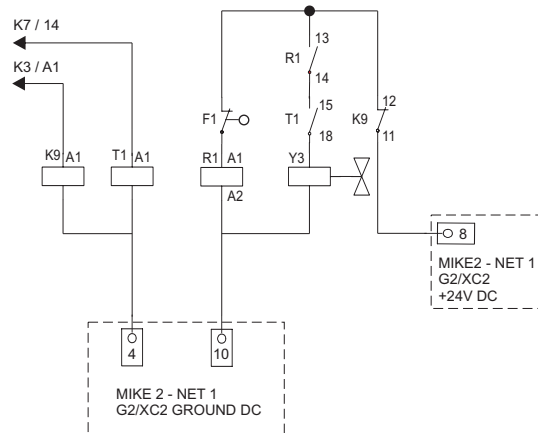
SET TO 80 %



SET DIP SWITCHES TO:

- 1 - DOWN
- 2 - UP
- 3 - UP
- 4 - DOWN
- 5 - DOWN
- 6 - UP

WASH TANK FILL



- F1: WASH TANK FLOAT
- K9: ANTI CHATTER RELAY
- R1: WASH TANK FILL RELAY
- T1: OFF DELAY TIMER WASH TANK FILL (SET TO 30 SECONDS)
- Y3: WASH TANK FILLING VALVE

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MACHINE OPTIONS

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FV130.2