

- PLC INPUTS (115VAC SINKING)**
- X0: (AS) AUTOSTART THERMOSTAT(S)
 - X1: (P1) PRE-FILTER DIRTY
 - X2: (P2) BAG FILTER DIRTY
 - X3: (P3) FINAL FILTER DIRTY
 - X4: (P4) MISSING FILTER
 - X5: (33) PCU THERMOSTAT (N.O. STATS)
 - X6: (FS) EXTERNAL FIRE SWITCH
 - X7: (RF1/RF2) REMOTE "ON/OFF"

- PLC OUTPUTS (115VAC SOURCING)**
- Y0: (38) EXHAUST FAN MOTOR STARTER
 - Y1: ALARM BUZZER
 - Y2: (31) SUPPLY FAN MOTOR STARTER
 - Y3: FIRE MODE (INT. OR EXT.)
 - Y4: (36) SPRAY ODOOR POWER
 - Y5: SPARE

RM" OPTION

YELLOW WIRES ARE EXTERNAL SOURCED POWER.

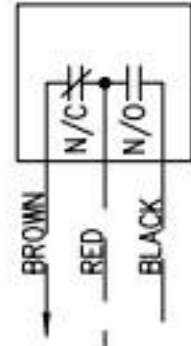
REMOTE INDICATOR LIGHTS



OPTIONAL CONNECTIONS BY OTHERS. SEE TERMINATION SCHEDULE AND FM WIRING NOTES FOR USAGE

MAIN ELECTRICAL SERVICE, MUST BE FUSED SEPARATELY. 120/1/60 POWER

OPTIONAL POWER MAIN ELECTRICAL SERVICE, MUST BE FUSED SEPARATELY. 220-480/1/60 POWER



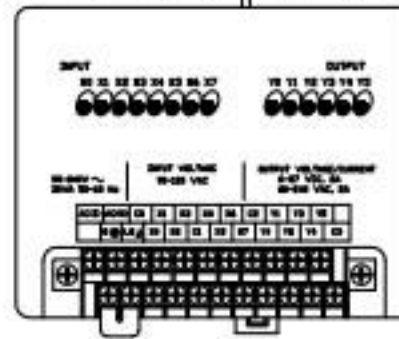
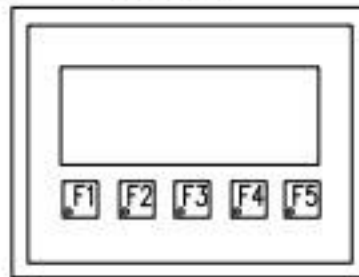
FIRE SYSTEM DUAL MICRO SWITCHES LOCATED IN AUTOMAN. SWITCHES SHOWN IN COCKED POSITION (SYSTEM READY)

FILTER MONITORING STATION FM-1000-A

-- SUPPLY VOLTAGE --
120 VAC, 60 Hz.

5 AMPS MAXIMUM - CONNECTED LOAD

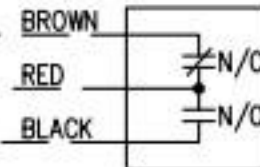
ALARM BUZZER DISPLAY PLC-HMI COMMUNICATION USE PORT 2



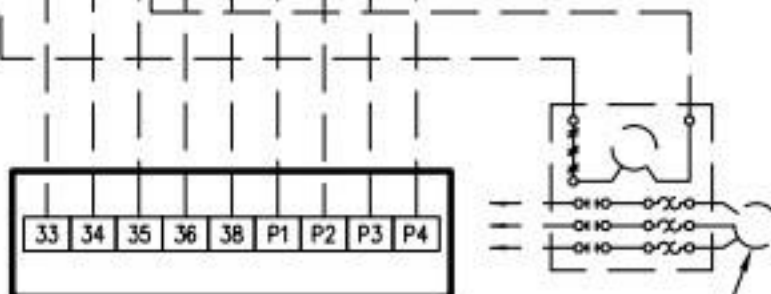
L1 L2 GND 31 33 34 35 36 38 P1 P2 P3 P4 SF3 SF4 EF3 EF4 A11 A12 Q11 Q12 FS AS RF1 RF2 LC

TRM	TERMINATION SCHEDULE	TYPE
L1	MAIN POWER CONNECTION : HOT	120VAC
L2	MAIN POWER CONNECTION : NEUTRAL	0 V
31	OUTPUT-SUP. FAN STARTER (2 AMP MAX.)	120VAC
33	INPUT - THERMOSTAT RETURN	120VAC
34	FUSED SUPPLY TO PRESS. SW. & T-STAT	120VAC
35	120VAC NEUTRAL LEG	0 V
36	OUTPUT - SPRAY ODOR POWER	120VAC
38	OUTPUT-EXH. FAN STARTER (2 AMP MAX.)	120VAC
P1	INPUT - PRESSURE SWITCH #1	120VAC
P2	INPUT - PRESSURE SWITCH #2	120VAC
P3	INPUT - PRESSURE SWITCH #3	120VAC
P4	INPUT - PRESSURE SWITCH #4	120VAC
SF3	N.O. DRY CONTACTS FOR SUPPLY FAN	N/A
SF4	REMOTE CONTROL CENTER	N/A
EF3	N.O. DRY CONTACTS FOR EXHAUST FAN	N/A
EF4	REMOTE CONTROL CENTER	N/A
A11	N.O. DRY CONTACTS FOR INTERFACE TO	N/A
A12	BUILDING FIRE ALARM / MONITOR SYSTEM	N/A
Q11	N.C. DRY CONTACTS FOR INTERFACE TO	N/A
Q12	BUILDING FIRE ALARM / MONITOR SYSTEM	N/A
FS	INPUT FROM REMOTE FIRE SWITCH	120VAC
AS	INPUT - AUTOSTART THERMOSTAT(S)	120VAC
RF1	REMOTE ON/OFF SWITCH TERMINALS	N/A
RF2	WIRE TO N.O. SWITCH	N/A
LC	INPUT - LOW CHEMICAL (SPRAY ODOR)	120VAC

MAIN ELECTRICAL SERVICE,
MUST BE FUSED
SEPARATELY.
120/1/60 POWER



FIRE SYSTEM DUAL MICRO SWITCHES
LOCATED IN AUTOMAN. SWITCHES SHOWN
IN COCKED POSITION (SYSTEM READY)



PCU ELECTRICAL COMPARTMENT

REFER TO
PCU WIRING DIAGRAM
FOR DETAILS

SUPPLY FAN(S),
MOTOR, MAGNETIC
STARTER SWITCH AND
FAN ELECTRICAL
SERVICE BY OTHERS.

FILTER MONITORING STATION WIRING NOTES

- FM-1) IF THERMOSTAT TEMPERATURE RISES ABOVE 250°F, THE EXHAUST AND SUPPLY FAN WILL SHUT OFF, AND A MESSAGE STATING: "FIRE IN UNIT" ON THE FILTER MONITORING STATION WILL BE DISPLAYED.
- FM-2) TERMINALS Q11 & Q12 (N/C DRY CONTACTS) OPEN IN THE EVENT OF A FIRE.
- FM-3) TERMINALS A11 & A12 (N/O DRY CONTACTS) CLOSE IN THE EVENT OF A FIRE.

- - - - - FIELD WIRING BY OTHERS
————— WIRING BY MANUFACTURER