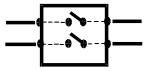
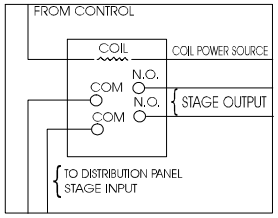
WE RECOMMEND INSTALLING A FUSE BOX ON EACH STAGE



FUSE BOX

DO NOT DRILL THE SIDES OF THE UNIT CONTROL. USE AVAILABLE KNOCK OUTS AT THE BOTTOM OF THE UNIT.

THE CAPACITY OF THE INTERNAL RELAYS IS 6 AMP. "MOTOR LOAD". WE RECOMMEND INSTALLING EXTERNAL RELAYS ON "ON/OFF" STAGES HOOKED TO MOTORS.



NOTES

1. INSTALLATION OF A GOOD QUALITY ALARM SYSTEM IS STRONGLY ADVISED TO WARN OF POWER FAILURES AND HIGH/LOW TEMPERATURES.
2. PROVIDE SURGE PROTECTION (TO INCLUDE PROTECTION FROM LIGHTNING) FROM POWER SUPPLY TO CONTROL AND FROM CONTROL TO OUTPUT EXTENDED PROBE. CONSULT A CERTIFIED ELECTRICIAN FOR SPECIFIC RECOMMENDATIONS.
3. SAME PHASES MUST BE USED TO POWER VARIABLE FANS AND CONTROLS ON 3 PHASES POWER.

CONNECTION FOR TOP BOARD

HUMIDITY PROBE

RH

V out + −

6 G

4 G 3 2 G 1

PROBES

TO MPVV MODULE

G 1 2 3 4

12 VDC + −

OPT. OPT. OPT. OPT.

12v BATTERY BACKUP (NOT INCLUDED)

NC C NO

ALARM

COMMUNICATION CONNECTION

VOLTAGE SELECTOR 115/230 VAC

DRY CONTACT DRY CONTACT

STAGE4 STAGE3 STAGES1&2 N.U. POWER

115 VAC 230 VAC

LEAVE A CLEARANCE OF AT LEAST 12" TO THE LEFT OF THE CONTROLLER BOX TO ALLOW FOR THE COVER TO BE REMOVED FOR MAINTENANCE.

12 inches

GND WIRE

GND L2 (N) L1 — CONTROLLER POWER SUPPLY 230 VAC (115 VAC)

THERMOSTAT BACKUP (NOT INCLUDED)

GND L2 (N) L1 — STAGES 1 & 2 POWER SUPPLY 230 VAC (115 VAC)

STAGE 4 POWER SUPPLY 230 VAC (115 VAC) — GND L2 (N) L1

ON-OFF

FAN/HEATER/MIST STAGE 4 MAX. OUTPUT 10 AMP.

VARIABLE

FAN STAGE 1 MAX. OUTPUT 10 AMP.

STAGE 3 POWER SUPPLY 230 VAC (115 VAC) — GND L2 (N) L1

ON-OFF

FAN/HEATER/MIST STAGE 3 MAX. OUTPUT 10 AMP.

VARIABLE

FAN STAGE 2 MAX. OUTPUT 10 AMP.

WIRING DIAGRAM	
TC5-2V2SA	REV. 05