

Summary	Wiring of the control board on new motors				
Products Affected	Wyndstar, WS3, MT				
Key Word Tags	Gen3 Board, MT, WS, Ovitor, Wyndstar				
Tools/Equipment (If Required)	Wire Cutters, Terminal Screw Driver, Phillips Screw Driver				
Parts/Materials (If Required)	MTR,OVITOR STA1 208V 3600 RPM R920180 MTR,OVITOR STA1 460V 3600 RPM R920181				
Related Media					
Author	Randy Meyer, RevA M. Burzlaff	Issue Date	12/13/2010	Status	Active

Please Read The Entire Bulletin Before Proceeding

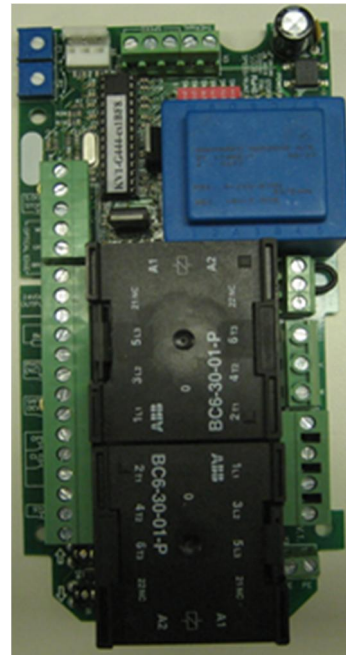
The control board located under the black plastic cover on the motor of the Wyndstar and MT model Rytec car wash doors has undergone three revisions. The replacement control board may have slight differences than the original. The difference appears in the connections for the thermal cut out and disengagement switches. The 2nd and 3rd generations of control will also ship with a small wire harness to connect the limit switch wires to a white slide on connector on the control board. The other end of the cable has spade connectors to attach the limit switch wires. The spade connectors can be eliminated and wire nuts can be used. DO NOT cut off the white slide connector for the plug on the control board. Removing the slide plug will prevent connections of the limit switch wires to the control board.



GEN1



GEN2



GEN3



GEN1



GEN2

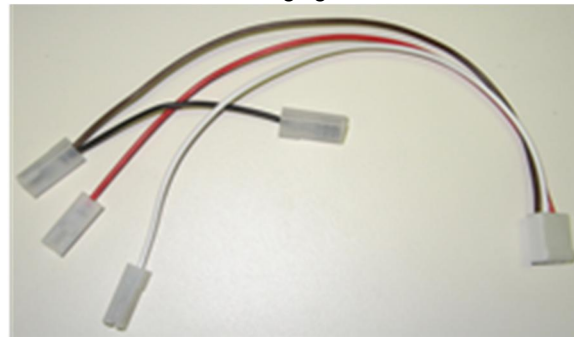


GEN3

The differences in the control are subtle. The GEN 1 control has the green terminal block with seven screws. Three screws for the limit switches; two screws for disengagement switch and two screws for the thermal cut out.

GEN 2 adds the white slide connector for the limit switches. The wire harness can be used in place of the terminals. With the GEN 2 you have the option to use the wire harness or terminal blocks.

GEN 3 the white slide connector is the only way to wire the limit switches into the control. The wire harness must be used to connect the limit switch wires. Spade connectors can be added to the existing limit switch wires or the four individual spade connectors can be removed and the limit switch wires simply wire nut to the wire harness. DO NOT remove the white slide connector that contains the three wires. This is needed to connect to the control. The GEN 3 also has the disengagement switch input removed. Therefore, the disengagement switch and thermal switch must be wired in series. Place one wire from the thermal switch into the terminal block (thermal SW). Take the other wire from the thermal switch and wire nut to one wire of the disengagement switch. Take the remaining disengagement switch wire and wire to the other thermal SW terminal block. Wiring in series will allow for the control to turn off if either the disengagement switch or thermal cut out are activated.



Wire Harness for the GEN2 & GEN3 Board

NOTE: The control can be retro-fit to the higher versions however; the controls cannot go backwards to earlier controls. For example, a GEN 3 control cannot be replaced with a GEN 2 control. You must go up with any retro-fit.

Please contact Rytec Customer Support at 1-800-628-1909 with any questions