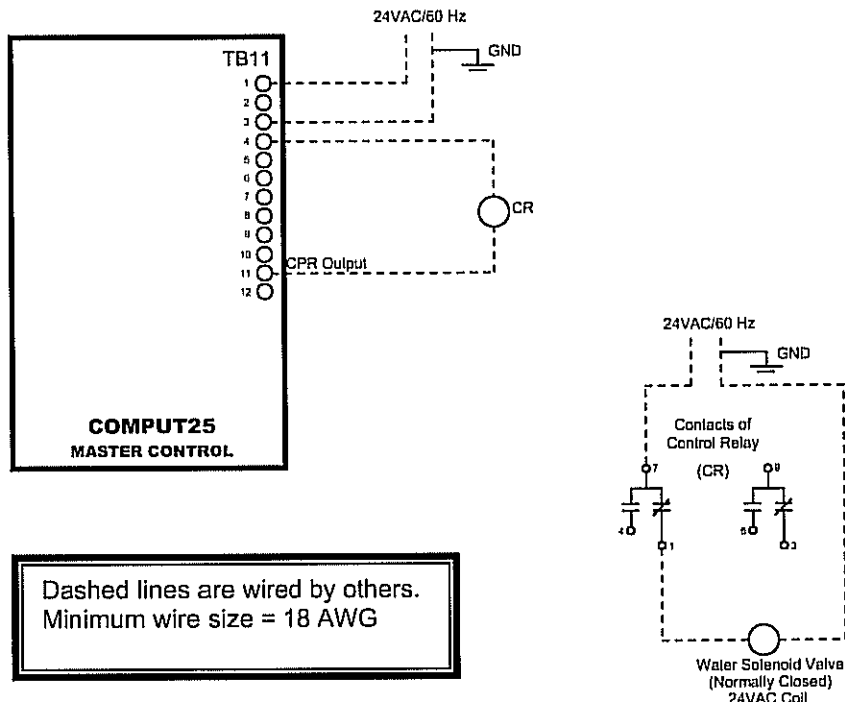


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WIRING INFORMATION FOR A NORMALLY CLOSED BYPASS VALVE ON HEADER PIPES (VALVE54)

This document was created to show how to wire up a Normally Closed Water Solenoid Valve to the Condenser Pump Relay output of a COMPUT25 Master Control. The intent for this valve is to provide a minimum flow bypass between the inlet and outlet header pipes of a Multistack modular chiller that has been designed for a variable flow application. In a variable flow application, a Multistack modular chiller will have a water solenoid valve on each of the heat exchangers that would be closed anytime that particular compressor is OFF. Therefore, if the chiller is satisfied and all circuits are OFF, the pump would be deadheaded against our machine and there would be no flow. This would then result in a flow failure that would require a manual reset to resume operation. **NOTE:** *The bypass will need to be designed to provide enough flow to maintain the flow switch for the chiller while in the bypass mode of operation.*



NOTE: If two valves are used in the application, they will need to be wired in parallel with each other. Also, if the valves used are Normally Open Valves, then it will be necessary to move the wire on CR-1 to CR-4. Make sure that the 24VAC power supply capacity is not exceeded.