




Tech Tip

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Wiring Float Switch/Safety device on A2L non-communicating system

When needing to wire a float switch/safety device on a A2L refrigerant non-communicating system, it needs to be a normally closed switch/device. That will open the circuit when an issue arises. The switch/device needs to be wired between thermostat and indoor unit R/24V. This would be "breaking R/24V" when the switch/device opens. This will cut power to the thermostat, which will stop any operation signal coming from thermostat. Thermostats that do not have battery power option will lose power completely IE no screen. This will be a good indicator to the homeowner an issue has occurred.

The wire diagram to the right shows this symbol  for the float switch/safety device intended location in the R/24V circuit. If multiple switches/devices are being installed, they are wired in series from indoor unit R/24V through each normally closed switch/device then to thermostat R/24V terminal. This will not affect power to mitigation control nor its safety process when refrigerant is detected.

For more information scan or click the below QR code



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