Allows for reduction in purge air consumption by monitoring moisture loading in both towers. During low air demand periods or low water loading the purge valves remain closed while flow control valves cycle as normal. By keeping purge valves closed during such conditions, a significant reduction in purge air consumption can occur, with subsequent savings in operating costs. When the solid state controller receives a signal from the tower sensors, the purge valves will open and begin reactivation of both towers sequentially. Not for use on -80°F(-62°C) or -100°F (-73°C) dryers.