

DUAL TEMPERATURE WATER SYSTEM CONTROL SEQUENCE SCALE: NOT TO SCALE

M801

-THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 64 DEG. F (ADJ.).

TO PREVENT SHORT CYCLING, THE CHILLER SHALL RUN FOR AND BE OFF FOR MINIMUM ADJUSTABLE TIMES (BOTH USER DEFINABLE), UNLESS SHUTDOWN ON SAFETIES OR OUTSIDE AIR CONDITIONS.

THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND

CHILLED WATER PUMP (HXCP-01):

THE CHILLED WATER PUMP SHALL RUN ANYTIME THE CHILLER IS CALLED TO RUN. THE CHILLED WATER PUMP SHALL START PRIOR TO THE CHILLER BEING ENABLED AND SHALL STOP ONLY AFTER THE CHILLER IS DISABLED. THE CHILLED WATER

- A USER ADJUSTABLE DELAY ON START.

- AND A USER ADJUSTABLE DELAY ON STOP. THE DELAY TIMES SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY

CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING. ALARMS SHALL BE PROVIDED AS FOLLOWS:

- CHILLED WATER PUMP FAILURE: COMMANDED ON, BUT THE STATUS

- CHILLED WATER PUMP RUNNING IN HAND: COMMANDED OFF, BUT THE
- CHILLED WATER PUMP RUNTIME EXCEEDED: STATUS RUNTIME
- EXCEEDS A USER DEFINABLE LIMIT

THE CHILLER SHALL BE ENABLED A USER ADJUSTABLE TIME AFTER PUMP STATUSES ARE PROVEN ON. THE CHILLER SHALL THEREFORE HAVE A USER ADJUSTABLE DELAY ON START.

THE DELAY TIME SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING.

THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- CHILLER FAILURE: COMMANDED ON, BUT THE STATUS IS OFF. - CHILLER RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS
- CHILLER RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER

CHILLER ISOLATION CONTROL VALVES:

- THE CHILLER ISOLATION VALVES ON THE CWS AND CWR PIPES SHALL OPEN WHENEVER THE CHILLER SYSTEM IS ENABLED.

THE CHILLER SHALL MAINTAIN A CHILLED WATER SUPPLY TEMPERATURE SETPOINT AS DETERMINED BY ITS OWN INTERNAL CONTROLS.

- CHILLED WATER SUPPLY.

- CHILLED WATER RETURN.

-HIGH CHILLED WATER SUPPLY TEMP: IF THE CHILLED WATER SUPPLY TEMPERATURE IS GREATER THAN 55 DEG. F (ADJ.).

LOW CHILLED WATER SUPPLY TEMP: IF THE CHILLED WATER SUPPLY TEMPERATURE IS LESS THAN 38 DEG. F (ADJ.).

