

Daikin Loop Water Manager Technical Specifications – Model LWM-662

ASP 31- 350

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Group: Controls

Part Number: ASP 31-350

Date: September 2012

Unit Tag:



Part number 250809501 (with BACnet module)

Part number 250809401 (without BACnet module)

Description

The Daikin Loop Water Manager uses MicroTech® technology to provide pump and temperature control for the water loop in heat pump applications. The Loop Water Manager also provides secondary loop pump control, scheduling, and sump control. Alternatively, it can be configured to provide temperature control of a radiant hot water loop. The Loop Water Manager can be used in standalone mode or can be ordered with BACnet®/MSTP communication and used in conjunction with a MicroTech Integrated System.

Features

- Loop supply and return temperature inputs*
- Boiler supply and return temperature inputs*
- Tower supply and return temperature inputs*
- Outside temperature* and humidity inputs
- 2 main and 2 secondary pump outputs
- Main and secondary flow switch inputs
- 6 cooling and 6 heating stages
- Tower and Boiler analog control outputs
- 2 scheduled outputs
- Flow request input
- External alarm light and buzzer
- Damper interlock input
- Sump control inputs and outputs
- Emergency shut down and sump dump switches

*Field supplied thermistors must be 10K NTC type for temperature inputs

Specifications

MicroTech Controller

Panel:

- IP66, NEMA 4 steel

Inbuilt HMI:

- LCD with white backlight (144x64 dots)
- 5 line by 22 Characters display
- Roll-and-push knob navigation with 3 function buttons

Main Controller:

- Dimensions: 207 x 110 x 79mm
- Weight excl. packaging: 450g
- Base: Plastic, pigeon-blue RAL 5014
- Housing: Plastic, light-grey RAL 7035

I/O Connectors:

- Plug in terminals: clamp
- Grid: 5mm
- AWG min/max: 26/14

BACnet MS/TP Communication Card - RS-485 (EIA-485):

- Bus connection/electronics: Galvanically isolated
- Bus connection: A+, B- REF (3 wires)

Control Panel

Terminal blocks:

- 2x2 spring terminals, 2 row jumper ports
- Wire range 12/22 AWG

Power:

- 120V AC
- Phase: 1
- Frequency: 60Hz
- Terminal Type: Strip wire spring terminal
- AWG min/max: 22/12
- 75VA control transformer

Physical dimensions:

- 23.63 in (W) x 23.63 in. (H) x 8.32 in (D)
- 36lbs total weight

Dimensional Drawing

