



Project name:

**Air Handling Unit  
with Fidelix multi24 and multiDISPLAY**

Project number:

**supp\_int\_0423**

Page description:

**Wire diagram with BMS points**

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Date:

**06/10/2020**

Rev.:

**/**

Planner / designer / engineer:

**Fidelix (R.E.)**

Fresh air temperature (NTC10)
Supply air temperature (NTC10)
Return air temperature (0..10V)
Return air CO2 measurement (0..10V)
Exhaust air temperature (NTC10)
Heating coil return temperature (PT1000)
Fresh air damper open indication (NO)
Exhaust air damper open indication (NO)
Fresh air filter dirty alarm (NC)
Return air filter dirty alarm (NC)
Supply fan run status / Supply duct flow detected (NO)
Return fan run status / Return duct flow detected (NO)
Supply fan VFD 0..10V out
Supply fan on/off help relay
Return fan VFD 0..10V out
Return fan on/off help relay
Heating coil valve 0..10V out
Cooling coil valve 0..10V out

<b>M1</b>
<b>M2</b>
<b>M3</b>
<b>M4</b>
<b>M5</b>
<b>M6</b>
<b>G0</b>
<b>G0</b>
<b>M7</b>
<b>M8</b>
<b>M9</b>
<b>M10</b>
<b>M11</b>
<b>M12</b>
<b>G0</b>
<b>G0</b>
<b>O1</b>
<b>T1</b>
<b>V1</b>
<b>G0</b>
<b>O2</b>
<b>T2</b>
<b>V2</b>
<b>G0</b>
<b>O3</b>
<b>T3</b>
<b>V3</b>
<b>G0</b>
<b>O4</b>
<b>T4</b>
<b>V4</b>
<b>G0</b>

<b>MB</b>	Modbus RS485 data IN - from BMS
<b>MA</b>	Mo dbus RS485 data IN + from BMS
<b>MP</b>	
<b>EB</b>	Modbus RS485 data OUT to multiDISPLAY (-)
<b>EA</b>	Modbus RS485 data OUT to multiDISPLAY (+)
<b>G0</b>	Power 24V OUT to multiDISPLAY GND
<b>P2</b>	Power 24V OUT to multiDISPLAY V+
<b>G0</b>	Power IN 24V GND
<b>P1</b>	Power IN 24V V+

<b>D3</b>	Cooling coil pump control
<b>D2</b>	
<b>D1</b>	
<b>C3</b>	Heat Recovery Unit control
<b>C2</b>	
<b>C1</b>	
<b>B3</b>	Exhaust damper opening control
<b>B2</b>	
<b>B1</b>	
<b>A3</b>	Fresh air damper opening control
<b>A2</b>	
<b>A1</b>	





