MOUNTING INSTRUCTIONS

0A: INFO!

Excel Web II
MOUNTING INSTRUCTIONS
(MU1B-0554GE51)

FOR MORE INFO, SEE:
Excel Web II INSTALLATION & COMMISSIONING INSTRUCTIONS
(EN1B-0555GE51),
Excel Web II THIRD-PARTY SOFTWARE LICENSES
(EN2B-0393GE51), AND
XL2000HMI-A External HMI MOUNTING INSTRUCTIONS
(MU1B-0559GE51).

0B: DIMENSIONS (WITHOUT COVER)

DIMENSIONS
(WITHOUT COVER MVC-80-AC1)
0C: DIMENSIONS (WITH COVER)

DIMENSIONS
(WITH MVC-80-AC1)
1A. DIN RAIL MOUNTING

1B. DIN RAIL DISMOUNTING

ALTERNATIVE "A"

ALTERNATIVE "B"

2. WALL MOUNTING

3. MOUNTING STRAIN RELIEF
4. MOUNTING/DISMOUNTING COVERS

5A. PANEL/DOOR MOUNTING

1. Panel/Door Mounting

2. Dismounting

5B. PANEL/DOOR DISMOUNTING

6A. WIRING

- MVC-80-AC1
- MVC-80-AC2
- MVC-80-AC3
- MVC-80-AC4
- MVC-80-AC5
- MVC-80-AC6
- MVC-80-AC7
- MVC-80-AC8
- MVC-80-AC9
- MVC-80-AC10
- MVC-80-AC11
- MVC-80-AC12
- MVC-80-AC13
- MVC-80-AC14
- MVC-80-AC15
- MVC-80-AC16
- MVC-80-AC17
- MVC-80-AC18
- MVC-80-AC19
- MVC-80-AC20
- MVC-80-AC21
- MVC-80-AC22
- MVC-80-AC23
- MVC-80-AC24
- MVC-80-AC25
- MVC-80-AC26
- MVC-80-AC27
- MVC-80-AC28
- MVC-80-AC29
- MVC-80-AC30
- MVC-80-AC31
- MVC-80-AC32
- MVC-80-AC33
- MVC-80-AC34
- MVC-80-AC35
- MVC-80-AC36
- MVC-80-AC37
- MVC-80-AC38
- MVC-80-AC39
- MVC-80-AC40
- MVC-80-AC41
- MVC-80-AC42
- MVC-80-AC43
- MVC-80-AC44
- MVC-80-AC45
- MVC-80-AC46
WARNING!
Terminals 5...18 (BO1...BO8) may be connected to low voltage or line voltage, but it is NOT permitted to combine low voltage and line voltage within the same block (BO1...BO4 and BO5...BO8, respectively).  
RISK OF ELECTRIC SHOCK OR EQUIPMENT DAMAGE!
### SPECIFICATIONS OF CONTROLLER

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>19 ... 29 VAC, 50/60 Hz, or 20 ... 30 VDC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>typically dc: 5 W; max. 6 W</td>
</tr>
<tr>
<td></td>
<td>typically ac: 9 VA; max. 11 VA</td>
</tr>
<tr>
<td>Current consumption</td>
<td>typically dc: 210 mA; max. 240 mA</td>
</tr>
<tr>
<td></td>
<td>typically ac: 370 mA; max. 410 mA</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0 ... 40 °C (wall-mounting)</td>
</tr>
<tr>
<td></td>
<td>0 ... 50 °C (cabinet/door mounting)</td>
</tr>
<tr>
<td>Storage temp.</td>
<td>-20 ... +70 °C</td>
</tr>
<tr>
<td>Humidity</td>
<td>5 ... 95% r.h. non-condensing</td>
</tr>
<tr>
<td>Dimensions</td>
<td>See pictures 0B, 0C.</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP20 (mounted on walls, with two accessory MVC-80-AC1 covers)</td>
</tr>
<tr>
<td></td>
<td>IP30 (mounted in cabinet doors, with accessory MVC-80-AC2)</td>
</tr>
<tr>
<td>Fire class</td>
<td>V0</td>
</tr>
</tbody>
</table>

### RELAY SPECIFICATIONS

<table>
<thead>
<tr>
<th>Block</th>
<th>BO1…3</th>
<th>BO4</th>
<th>BO5…8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact volt. AC</td>
<td>5...253 V</td>
<td>5...253 V</td>
<td>5...253 V</td>
</tr>
<tr>
<td>Contact volt. DC</td>
<td>5...30 V</td>
<td>20...30 V</td>
<td>5...30 V</td>
</tr>
<tr>
<td>Max. contact current AC (resistive)</td>
<td>3 A</td>
<td>10 A</td>
<td>3 A</td>
</tr>
<tr>
<td>Max. contact current AC (induct.)</td>
<td>0.3 A*</td>
<td>10 A</td>
<td>0.3 A*</td>
</tr>
<tr>
<td>Max. contact current AC (induct.)</td>
<td>2 A**</td>
<td>10 A</td>
<td>2 A**</td>
</tr>
<tr>
<td>Min. load</td>
<td>100 mA / 5 Vdc</td>
<td>40 mA / 24 Vdc</td>
<td>100 mA / 5 Vdc</td>
</tr>
</tbody>
</table>

* typically 250,000 cycles; ** typically 50,000 cycles

**NOTE:** The total max. sum load for all binary outputs (BO1…8) equals 14 A.

**NOTE:** Binary output 4 supports the switching of high in-rush currents. The max. allowed switch current is 80 A for a duration of max. 20 ms.

### CABLE SPECS, PUSH-IN TERMINALS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid conductor H05(07) V-K</td>
<td>0.2 ... 1.50 mm²</td>
</tr>
<tr>
<td>Stranded conductor H05(07) V-K</td>
<td></td>
</tr>
<tr>
<td>Stranded conductor with wire end ferrules (w/o plastic collar) stripping length</td>
<td>10.0 +1.0 mm</td>
</tr>
</tbody>
</table>

### STANDARDS, APPROVALS, ETC.

**Purpose of the device is:** OPERATING CONTROL and multifunctional non-safety control intended for HVAC in home (residential, commercial, and light-industrial) environments

**Device meets** BTL, AMEV AS-A, EN 60730-1, EN 60730-2-9, UL60730, and UL916.

Independently mounted electronic control unit with fixed wiring.

**Shock protection:** Class II.

**Pollution degree:** 2.

**Installation:** Class 3

**Rated impulse voltage:** 330 V for SELV, 2500 V for relay outputs

**Type of action:** Type 1.C.

**Software Class:** A.

**Ball-pressure test temperature:** housing parts > 75 °C terminals > 125 °C

**NOTE:** Keep AC mains supply/load cables separate from signal wiring!

### WEEE DIRECTIVE

**WEEE: Waste Electrical and Electronic Equipment Directive**

- At the end of the product life, dispose of the packaging and product in an appropriate recycling center.
- Do not dispose of the device with the usual domestic refuse.
- Do not burn the device.

Honeywell

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative.

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