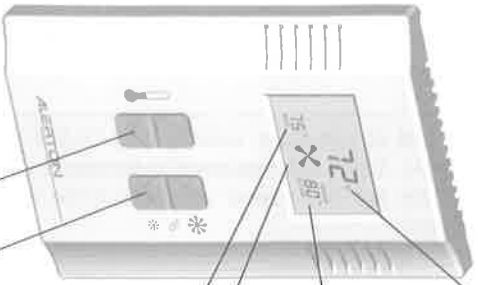


# Quick Reference



## Mode IDs

- M1—Office, no fan, occupied
- M2—Office, no fan, unoccupied
- M3—Office, no fan, ON/OFF
- M4—Office, fan, occupied
- M5—Office, fan, unoccupied
- M6—Hotel, no fan, rented
- M7—Hotel, no fan, vacant
- M8—Hotel, fan, rented
- M9—Hotel, fan, vacant

## Field Service Codes

Code	Data point	Meaning
UC	AV-95	Unoccupied cooling setpoint
UH	AV-96	Unoccupied heating setpoint
CO	AV-93	Cooling offset
HO	AV-94	Heating offset
HS	AV-100	Occupied heating setpoint
CS	AV-99	Occupied cooling setpoint
AL	AV-97	Override limit
HL	AV-91	Setpoint high limit
LO	AV-92	Setpoint low limit
SP	AV-90	Occupant-selected space temperature setpoint
SC	n/a	Size, cooling—size of VAV cooling duct diameter in inches or cm
SH	n/a	Size, heating—size of VAV heating duct diameter in inches or cm
CF	n/a	Cold flow—the current airflow in the VAV box cold duct in cfm or fps
HF	n/a	Hot flow—the current airflow in the VAV box hot duct, in cfm or fps

ID	Display/control function	Description	Software remarks
1	<ul style="list-style-type: none"> <li>Setpoint ('F' or 'C' as appropriate)</li> <li>Override time remaining</li> <li>ON/OFF status</li> <li>Time of day (optional alternate)</li> <li>Value associated with data code (field service mode)</li> </ul>	Displays unit setpoint, after-hours/housekeeping timer, ON/OFF status, or value of field service code, depending on mode of operation. Optionally, in modes M1-M6, the time of day can display alternately on a three-second cycle with any of the above.	<ul style="list-style-type: none"> <li>Setpoint = AV-90.</li> <li>Housekeeping timer or after-hours timer = AV-98.</li> <li>ON/OFF mode = BV-65.</li> <li>Time of day is read directly from the VLC when BV-82 is ON. The VLC must be time-synced. BV-83 controls format (12- or 24-hour).</li> </ul>
2	<ul style="list-style-type: none"> <li>Outside air temperature (OAT)</li> <li>Outside humidity (optional alternate)</li> </ul>	Displays OAT. Optionally, an outside humidity reading in %RH can display alternately on a three-second cycle with the OAT.	OAT = AV-103, which is written to in DDC. %RH = AV-107. If AV-107 is non-zero display will cycle.
3	<ul style="list-style-type: none"> <li>Fan status</li> </ul>	Displays occupant-selected fan status and speed in modes M4, M5, M8, and M9. In these modes, the occupant can use the right UP/DOWN buttons to increase and decrease the fan speed. In other modes, occupant adjustment is disallowed, but DDC can control the fan status and speed display nonetheless.	<ul style="list-style-type: none"> <li>Only one of the following BVs may be ON; otherwise, the Microset II indicates a high fan speed:</li> <li>BLANK = BVs 72-74 OFF.</li> <li>Low = BV-72 ON.</li> <li>Med = BV-73 ON.</li> <li>High = BV-74 ON.</li> </ul>
4	<ul style="list-style-type: none"> <li>Space temperature</li> <li>Space humidity (optional alternate for MS-2000H)</li> <li>Field service code (field service mode)</li> </ul>	Displays space (room) temperature. With the Microset II with humidity sensor (MS-2000H), the room %RH can display alternately on a three-second cycle with the room temperature.	<ul style="list-style-type: none"> <li>Space temperature = AV-101. AI-0 is room temperature as read by the Microset II thermostat. VLC DDC must transfer AI-0 to AV-101 for space temperature display.</li> <li>Display will cycle between space temperature and humidity if BV-84 is ON.</li> <li>Space humidity = AV-102. No DDC required. AV-102 cannot store other values.</li> </ul>
5	<ul style="list-style-type: none"> <li>Right UP/DOWN buttons</li> <li>Fan speed control (M4, M5, M8)</li> <li>After-hours increment/decrement (M2, M5)</li> <li>ON/OFF control (M3, M6)</li> <li>Housekeeping timer ON/OFF (M7, M9)</li> <li>Adjust value (field service mode)</li> </ul>	Button press causes only affected value on LCD to appear; all others disappear. Display remains in this state for three seconds after button release.	Button press affects BV-67 according to mode. In fan modes, button press also affects BVs 72-74.
6	<ul style="list-style-type: none"> <li>Left UP/DOWN buttons</li> <li>Adjust setpoint</li> <li>Display unoccupied heating/cooling setpoints (M2, M5)</li> <li>Scroll through codes (field service mode)</li> </ul>	Button press causes only affected value on LCD to appear; all others disappear. Display remains in this state for three seconds after button release.	