

Appendix A

(normative)

DPT_HVACStatus

DPT_HVACStatus is a non-standard DPT that is used by an HVAC Room controller to report the currently set HVAC Mode by means of a status/diagnostic Datapoint.

The use of the possible DPTs to this purpose shall comply with Table 6.

Table 6 – Use conditions of DPT_HVACStatus and DPT_StatusRHCC

DPT	Until April 2010	After April 2010
DPT_HVACStatus (Eberle status octet)	may ^{a)}	may
DPT_StatusRHCC	may ^{a)}	shall
^{a)} At least one of DPT_HVACStatus or DPT_StatusRHCC shall be used.		

It may use the following non-standardised but common coding, sometimes referred to as ‘the Eberle status octet’ (but only until April 2010, if this DPT is the only status/diagnostic Datapoint included in the respective application for this purpose).

Format:	1 octet: B ₈																			
octet nr.	1																			
field names	<table border="1"> <tr> <th colspan="8">Attributes</th> </tr> <tr> <td>b₇</td><td>b₆</td><td>b₅</td><td>b₄</td><td>b₃</td><td>b₂</td><td>b₁</td><td>b₀</td> </tr> </table>				Attributes								b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀
Attributes																				
b ₇	b ₆	b ₅	b ₄	b ₃	b ₂	b ₁	b ₀													
encoding	<table border="1"> <tr> <td>b</td><td>b</td><td>b</td><td>b</td><td>b</td><td>b</td><td>b</td><td>b</td> </tr> </table>				b	b	b	b	b	b	b	b								
b	b	b	b	b	b	b	b													
Resol.:	not applicable																			
PDT:	PDT_BITSET8 (alt: PDT_GENERIC_01)																			
Datapoint Types																				
ID:	Name:	Encoding:	Range:	Use:																
--	DPT_HVACStatus	See below	See below	HVAC																

Data fields		Description	Encoding	Unit	Range
Bit	Attributes				
b ₀	Comfort	Indicates whether comfort mode is active or not	0 = false 1 = true	none	{0,1}
b ₁	Standby	Indicates whether standby mode is active or not	0 = false 1 = true	none	{0,1}
b ₂	Night	Indicates whether night mode is active or not	0 = false 1 = true	none	{0,1}
b ₃	Frost/Heat protection	Indicates whether frost/heat protection is active or not	0 = false 1 = true	none	{0,1}
b ₄	Dew Point	Indicates whether dew point mode is active or not	0 = false 1 = true	none	{0,1}
b ₅	Heat/Cool	Indicates whether the controller is heating or cooling	0 = cooling 1 = heating	none	{0,1}

Data fields		Description	Encoding	Unit	Range
b ₆	Controller Status	Indicates whether the controller is active or inactive	0 = active 1 = inactive	none	{0,1}
b ₇	Frost alarm	Indicates whether the frost alarm is active	0 = inactive 1 = active	none	{0,1}