

HAZARDOUS LOCATION HEATERS AND THERMOSTATS



INDUSTRY STANDARDS

CE
cCSAus
See additional certifications in product tables.

APPLICATION

Designed for use in hazardous locations where electrical components require protection from cold freezing temperatures, condensation and corrosion.

SPECIFICATIONS

- 50W, 80W, 200W, 300W, 400W and 600W models available
- Provides freeze protection down to -76 F / -60 C
- Conductive and Convection heating types available
- 50W and 80W models can be mounted directly to manifolds, measuring or analyzing instruments, control valves, and similar equipment
- 200W, 300W, 400W, 600W models are finned heaters that heat the area by transferring the heat from the heater to surrounding air, creating a convection current.
- Two thermostat options available with a 50 F / 10 C or 68 F / 20 C set point

FINISH

- Black Anodized Aluminum

Performance Data **50W and 80W Hazardous Location Heaters**

CATALOG NUMBERS		
	DAHHL501AC	DAHHL801AC
HEATING PERFORMANCE		
Watts	50	80
Heating Type	Conductive	Conductive
Power Regulation	Self Limiting	Self Limiting
HAZARDOUS LOCATION CERTIFICATIONS		
Agency Approvals	ATEX, IECEx, CE, cCSAus	ATEX, IECEx, CE, cCSAus
ATEX / IECEx Certification	PTB 02 ATEX 1116 X IECEX PTB 07.0055X II 2 G Ex db IIC T4 II 2 D Ex tb IIIC T135°C	PTB 02 ATEX 1116 X IECEX PTB 07.0055X II 2 G Ex db IIC T3 II 2 D Ex tb IIIC T200°C
NEC cCSAus Certification	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T4 Class II Div 1 Groups E,F,G	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G
ELECTRICAL DATA		
Rated Voltage (VAC or VDC)	110 - 265	110 - 265
Operating Range		
Maximum (F/C)	302/150	302/150
Minimum (F/C)	-76/-60	-76/-60
UNIT CONSTRUCTION		
Material	Black, anodized, seawater-proof aluminium	
ACCESSORIES		
Thermostat*	HLTSTAT10C, HLTSTAT20C	
UNIT DIMENSIONS		
Height (in./mm)	3.5/90	3.5/90
Width (in./mm)	1.6/40	1.6/40
Depth (in./mm)	1.2/30	1.2/30
Weight (lb./kg)	1.1/.50	1.1/.50

* Thermostats sold separately as an accessory.



Performance Data 200W, 300W, 400W, 600W Hazardous Location Heaters


CATALOG NUMBERS						
	DAHHL200AC	DAHHL300AC	DAHHL4001A	DAHHL4002A	DAHHL6001A	DAHHL6002A
HEATING PERFORMANCE						
Watts	200	300	400	400	600	600
Heating Type	Convection	Convection	Convection	Convection	Convection	Convection
Power Regulation	Self Limiting	Self Limiting	Constant Power	Constant Power	Constant Power	Constant Power
HAZARDOUS LOCATION CERTIFICATIONS						
Agency Approvals	ATEX, IECEx, CE, cCSAus		ATEX, IECEx, CE, cCSAus		ATEX, IECEx, CE, cCSAus	
ATEX / IECEx Certification	PTB 02 ATEX 1116X IECEx PTB 07.0055 X II 2 G Ex db IIC T3 II 2 D Ex tb IIIC T200°C		PTB 02 ATEX 1041X IECEx PTB 07.0052 X II 2 G Ex db IIC T3 II 2 D Ex tb IIIC T200°C		PTB 02 ATEX 1041X IECEx PTB 07.0052 X II 2 G Ex db IIC T3 II 2 D Ex tb IIIC T200°C	
NEC cCSAus Certification	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G		CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G		CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G	
ELECTRICAL DATA						
Rated Voltage (VAC or VDC)	110 - 265	110 - 265	108 - 132	207 -253	108 - 132	207 -253
Operating Range						
Maximum (F/C)	302/150	302/150	302/150	302/150	302/150	302/150
Minimum (F/C)	-76/-60	-76/-60	-76/-60	-76/-60	-76/-60	-76/-60
UNIT CONSTRUCTION						
Material	Black, anodized, seawater-proof aluminium					
ACCESSORIES						
Thermostat*	HLTSTAT10C, HLTSTAT20C					
UNIT DIMENSIONS						
Height (in./mm)	8.9/225	12.8/325	8.9/225	8.9/225	12.8/325	12.8/325
Width (in./mm)	9.0/229	9.0/229	9.0/229	9.0/229	9.0/229	9.0/229
Depth (in./mm)	2.4/60	2.4/60	2.4/60	2.4/60	2.4/60	2.4/60
Weight (lb./kg)	8.7/3.95	12.5/5.65	8.7/3.95	8.7/3.95	12.5/5.65	12.5/5.65

* A thermostat is required for 400W and 600W models. It is sold separately as an accessory.

Performance Data Hazardous Location Thermostats

CATALOG NUMBERS		
	HLTSTAT10C	HLTSTAT20C
HAZARDOUS LOCATION CERTIFICATIONS		
Agency Approvals	ATEX, IECEx, CE, cCSAus	
ATEX / IECEx Certification	PTB 03 ATEX 1136 X IECEx PTB 07.0054 II 2 G Ex db IIC T6 II 2 D Ex tb IIIC T80°C	PTB 03 ATEX 1136 X IECEx PTB 07.0054 II 2 G Ex db IIC T6 II 2 D Ex tb IIIC T80°C
NEC cCSAus Certification	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T6 Class II Div 1 Groups E,F,G	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T6 Class II Div 1 Groups E,F,G
ELECTRICAL DATA		
Rated Voltage (VAC or VDC)	0-275	0-275
Max. Rated Current (Amps)	10	10
Operating Range		
Maximum (F/C)	302/150	302/150
Minimum (F/C)	-76/-60	-76/-60
Thermostats Nominal Setpoints		
Switch-on Temperature (°F/°C)	50 F/10 C	68 F/20 C
Switch-off Temperature (°F/°C)	64 F/18 C	82 F/28 C
UNIT CONSTRUCTION		
Material	Black, anodized, seawater-proof aluminium	
UNIT DIMENSIONS		
Height (in./mm)	1.10/28	1.10/28
Width (in./mm)	.90/24	.90/24
Depth (in./mm)	4.30/108	4.30/108
Weight (lb./kg)	.50/.20	.50/.20

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- 200W, 300W, 400W, 600W models are finned heaters that heat the area by transferring the heat from the heater to surrounding air, creating a convection current.
- Two thermostat options available with a 50 F / 10 C or 68 F / 20 C set point

FINISH

- Black Anodized Aluminum

Performance Data 50W and 80W Hazardous Location Heaters

CATALOG NUMBERS	DAHHL501AC	DAHHL801AC
HEATING PERFORMANCE		
Watts	50	80
Heating Type	Conductive	Conductive
Power Regulation	Self Limiting	Self Limiting
HAZARDOUS LOCATION CERTIFICATIONS		
Agency Approvals	ATEX, IECEx, CE, cCSAus	ATEX, IECEx, CE, cCSAus
ATEX / IECEx Certification	PTB 02 ATEX 1116 X IECEx PTB 07.0055X II 2 G Ex db IIC T4 II 2 D Ex tb IIIC T135°C	PTB 02 ATEX 1116 X IECEx PTB 07.0055X II 2 G Ex db IIC T3 II 2 D Ex tb IIIC T200°C
NEC cCSAus Certification	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T4 Class II Div 1 Groups E,F,G	CSA 1655545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G
ELECTRICAL DATA		
Rated Voltage (VAC or VDC)	110 - 265	110 - 265
Operating Range		
Maximum (F/C)	302/150	302/150
Minimum (F/C)	-76/-60	-76/-60
UNIT CONSTRUCTION		
Material	Black, anodized, seawater-proof aluminium	
ACCESSORIES		
Thermostat*	HLTSTAT10C, HLTSTAT20C	
UNIT DIMENSIONS		
Height (in./mm)	3.5/90	3.5/90
Width (in./mm)	1.6/40	1.6/40
Depth (in./mm)	1.2/30	1.2/30
Weight (lb./kg)	1.1/50	1.1/50

* Thermostats sold separately as an accessory.



Performance Data **200W, 300W, 400W, 600W Hazardous Location Heaters**

CATALOG NUMBERS						
	DAHHL200AC	DAHHL300AC	DAHHL4001A	DAHHL4002A	DAHHL6001A	DAHHL6002A
HEATING PERFORMANCE						
Watts	200	300	400	400	600	600
Heating Type	Convection	Convection	Convection	Convection	Convection	Convection
Power Regulation	Self Limiting	Self Limiting	Constant Power	Constant Power	Constant Power	Constant Power
HAZARDOUS LOCATION CERTIFICATIONS						
Agency Approvals	ATEX, IECEx, CE, cCSAus		ATEX, IECEx, CE, cCSAus		ATEX, IECEx, CE, cCSAus	
ATEX / IECEx Certification	PTB 02 ATEX 1116X IECEx PTB 07.0055 X II 2 G Ex db IIC T3		PTB 02 ATEX 1041X IECEx PTB 07.0052 X II 2 G Ex db IIC T3		PTB 02 ATEX 1041X IECEx PTB 07.0052 X II 2 G Ex db IIC T3	
NEC cCSAus Certification	II 2 D Ex tb IIIC T200°C CSA 165545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G		II 2 D Ex tb IIIC T200°C CSA 165545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G		II 2 D Ex tb IIIC T200°C CSA 165545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T3 Class II Div 1 Groups E,F,G	
ELECTRICAL DATA						
Rated Voltage (VAC or VDC)	110 - 265	110 - 265	108 - 132	207 -253	108 - 132	207 -253
Operating Range						
Maximum (F/C)	302/150	302/150	302/150	302/150	302/150	302/150
Minimum (F/C)	-76/-60	-76/-60	-76/-60	-76/-60	-76/-60	-76/-60
UNIT CONSTRUCTION						
Material	Black, anodized, seawater-proof aluminium					
ACCESSORIES						
Thermostat*	HLTSTAT10C, HLTSTAT20C					
UNIT DIMENSIONS						
Height (in./mm)	8.9/225	12.8/325	8.9/225	8.9/225	12.8/325	12.8/325
Width (in./mm)	9.0/229	9.0/229	9.0/229	9.0/229	9.0/229	9.0/229
Depth (in./mm)	2.4/60	2.4/60	2.4/60	2.4/60	2.4/60	2.4/60
Weight (lb./kg)	8.7/3.95	12.5/5.65	8.7/3.95	8.7/3.95	12.5/5.65	12.5/5.65

* A thermostat is required for 400W and 600W models. It is sold separately as an accessory.

Performance Data **Hazardous Location Thermostats**

CATALOG NUMBERS		
	HLTSTAT10C	HLTSTAT20C
HAZARDOUS LOCATION CERTIFICATIONS		
Agency Approvals	ATEX, IECEx, CE, cCSAus	
ATEX / IECEx Certification	PTB 03 ATEX 1136 X IECEx PTB 07.0054 II 2 G Ex db IIC T6	
NEC cCSAus Certification	II 2 D Ex tb IIIC T80°C CSA 165545 (LR43674) Class I Zone 1 and 2 Group IIC Class I Div 1 Groups A,B,C,D T6 Class II Div 1 Groups E,F,G	
ELECTRICAL DATA		
Rated Voltage (VAC or VDC)	0-275	0-275
Max. Rated Current (Amps)	10	10
Operating Range		
Maximum (F/C)	302/150	302/150
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Thermostats Nominal Setpoints		
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Width (in./mm)	.90/24	.90/24
Depth (in./mm)	4.30/108	4.30/108
Weight (lb./kg)	.50/.20	.50/.20

