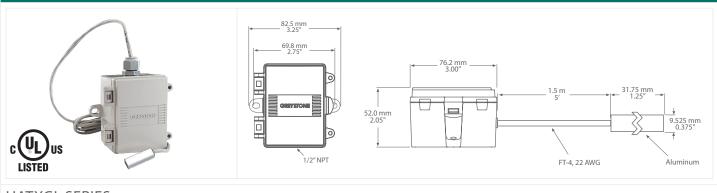


HIGH ACCURACY GLASS TEMPERATURE TRANSMITTER



HATXGL SERIES

PRODUCT DESCRIPTION

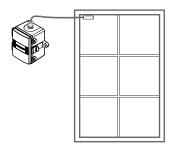
The high accuracy single point glass temperature transmitter utilizes a precision sensor encapsulated in a 31.75mm L x 9.525mm W x 9.525 mm H (1.25" x .375" x .375") Aluminum probe. Standard wire length is 1.524m (5'). All probes are constructed to provide excellent heat transfer, fast response, and are potted to resist moisture penetration. It is available with a variety of enclosures. A transmitter that provides a high accuracy signal with excellent long term stability, low hysteresis and fast response is available with various ranges.

TYPICAL INSTALLATION

For complete installation and wiring details, please refer to the product installation instructions.

Find a suitable location on an exterior window where both the probe and enclosure can be mounted. On one side apply epoxy compound and press firmly against the glass. Hold in place until the epoxy has set.

Encloure provides mounting tabs for ease of installation.



SENSOR TYPE 1000Ω Platinum, IEC 751, 385 Alpha, thin film RTD Class A: ±0.15°C (±0.27°F) @ 0°C (32°F) RTD 1/3 DIN: ±0.10°C (±0.03°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.10°C (±0.04°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.03°C (±0.054°F) @ 0°C (23°F) RTD 1/10 DIN: ±0.03°C (±0.054°F) @ 0°C (23°F) RTD 1/10 DIN: ±0.03°C (±0.054°F) @ 0°C (±0.054°F) @				
RTD Class A: ±0.15°C (±0.27°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.1°C (±0.18°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.03°C (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.12°C (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.12°F (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.12°F (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.12°F (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.05°F (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.05°F (±0.05°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.05°F (±0.05°F) @ 0°C (40°C (40°C) & 0°C (40°C) &	SPECIFICATIONS			
RTD 1/10 DIN: ±0.1°C (±0.18°F) @ 0°C (32°F) RTD 1/10 DIN: ±0.03°C (±0.054°F) @ 0°C	SENSOR TYPE	1000Ω Platinum, IEC 751, 385 Alpha, thin film		
WIRE MATERIAL WIRE LENGTH 1.524m (5') PROBE MATERIAL Aluminum PROBE DIMENSIONS 31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375") DUTPUT SIGNAL 4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured) TRANSMITTER ACCURACY ±0.196 of span, including linearity Current: 6000 maximum Voltage: 10 KΩ minimum POWER SUPPLY 0.5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac MAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc INPUT VOLTAGE EFFECT PROTECTION CIRCUITRY Reverse voltage protected and output limited AMBIENT OPERATING RANGE 4.2 ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION TERMINATION TERMINATION TERMINATION TERMINATION PROTECTION CLASS III O-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc or 15-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION CUrrent @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 IMPULSE VOLTAGE 330V POULUTION DEGREE 2	SENSOR ACCURACY	RTD 1/3 DIN: ±0.1°C (±0.18°F) @ 0°C (32°F)		
WIRE LENGTH 1.524m (5') PROBE MATERIAL Aluminum 31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375") DUTPUT SIGNAL 4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured) TRANSMITTER ACCURACY ±0.1% of span, including linearity DUTPUT DRIVE @ 24 VDC Current: 6000 maximum Voltage: 10 KD minimum POWER SUPPLY 0-5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac MAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc INPUT VOLTAGE EFFECT PROTECTION CIRCUITRY Reverse voltage protected and output limited AMBIENT OPERATING RANGE 4-2 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION TERMINATION TERMINATION TERMINATION TERMINATION TERMINATION TO S-Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION CUTTENT @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 IMPULSE VOLTAGE 330V POULUTION DEGREE 2	PROBE SENSING RANGE	-40 to 100°C (-40 to 212°F)		
Aluminum PROBE MATERIAL Aluminum 31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375") DUTPUT SIGNAL 4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured) ### TANSMITTER ACCURACY ### 20.1% of span, including linearity Current: 600\(\Omega\) maximum ### Voltage: 10 KC minimum POWER SUPPLY 0-5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac ### WAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc ### Negligible over specified operating range ### PROTECTION CIRCUITRY Reverse voltage protected and output limited ### AMBIENT OPERATING RANGE ### A: ABS, UL94-V0, IP65 (NEMA 4X) ### E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting ### TERMINATION ### TERM	WIRE MATERIAL	FT-4, 22 AWG		
PROBE DIMENSIONS 31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375") DUTPUT SIGNAL 4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured) ±0.1% of span, including linearity Current: 600Ω maximum Voltage: 10 KΩ minimum POWER SUPPLY 0-5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac Imited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc IMPUT VOLTAGE EFFECT Negligible over specified operating range PROTECTION CIRCUITRY Reverse voltage protected and output limited AMBIENT OPERATING RANGE 4-20 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc or 10-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 10-28 Vdc or 10-28 Vd	WIRE LENGTH	1.524m (5')		
A-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured) #0.1% of span, including linearity Current: 600Ω maximum Voltage: 10 KΩ minimum POWER SUPPLY	PROBE MATERIAL	Aluminum		
TRANSMITTER ACCURACY ±0.1% of span, including linearity Current: 600Ω maximum Voltage: 10 KΩ minimum POWER SUPPLY 0-5 Vdc: 10-35 Vdc or 10-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac MAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc INPUT VOLTAGE EFFECT Negligible over specified operating range PROTECTION CIRCUITRY Reverse voltage protected and output limited AMBIENT OPERATING RANGE 4-20 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION TERMINATION TERMINATION TERMINATION D-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION CUrrent @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 0 F ACTION IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	PROBE DIMENSIONS	31.75mm L x 9.525mm W x 9.525mm H (1.25" x 0.375" x 0.375")		
CUTPUT DRIVE @ 24 VDC Current: 600Ω maximum Voltage: 10 KΩ minimum O-5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc (Loop-powered) or 22-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac MAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc INPUT VOLTAGE EFFECT Negligible over specified operating range PROTECTION CIRCUITRY Reverse voltage protected and output limited -40 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) PROTECTION CLASS III 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION CUrrent @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control TYPE OF ACTION IMPULSE VOLTAGE POLLUTION DEGREE 2	OUTPUT SIGNAL	4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured)		
POWER SUPPLYVoltage: 10 KΩ minimumPOWER SUPPLY0-5 Vdc: 10-35 Vdc or 10-28 Vac 0-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 VacMAXIMUM OUTPUT (VOLTAGE)Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc	TRANSMITTER ACCURACY	±0.1% of span, including linearity		
O-10 Vdc: 15-35 Vdc or 15-28 Vac 4-20 mA: 15-35 Vdc (Loop-powered) or 22-28 Vac MAXIMUM OUTPUT (VOLTAGE) Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc Negligible over specified operating range PROTECTION CIRCUITRY Reverse voltage protected and output limited AMBIENT OPERATING RANGE ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION CUITENT @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 MPULSE VOLTAGE 20 POLITION DEGREE 2	OUTPUT DRIVE @ 24 VDC			
INPUT VOLTAGE EFFECT Negligible over specified operating range Reverse voltage protected and output limited AMBIENT OPERATING RANGE -40 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing ENCLOSURE A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2"NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control TYPE OF ACTION Type 1 MPULSE VOLTAGE 330V POLLUTION DEGREE 2	POWER SUPPLY	0-10 Vdc: 15-35 Vdc or 15-28 Vac		
PROTECTION CIRCUITRY Reverse voltage protected and output limited -40 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2"NPT to M16) and cable gland fitting Terminal block (14 to 22 AWG) PROTECTION CLASS III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 0F ACTION IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	MAXIMUM OUTPUT (VOLTAGE)	Limited to <5.5 vdc for 0-5 Vdc, <10.5 for 0-10 Vdc		
AMBIENT OPERATING RANGE -40 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) PROTECTION CLASS III 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC \$142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 0F ACTION IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	INPUT VOLTAGE EFFECT	Negligible over specified operating range		
A: ABS, UL94-V0, IP65 (NEMA 4X) E: Same as A, with thread adapter (1/2"NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) PROTECTION CLASS III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	PROTECTION CIRCUITRY	Reverse voltage protected and output limited		
E: Same as A, with thread adapter (1/2"NPT to M16) and cable gland fitting TERMINATION Terminal block (14 to 22 AWG) III POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	AMBIENT OPERATING RANGE	-40 to 60°C (-40 to 140°F), 0 to 95 %RH non-condensing		
PROTECTION CLASS III 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 0F ACTION Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	ENCLOSURE			
POWER SOURCE UL 0-5 Vdc: 10-35 Vdc or 10-28 Vac SELV (Class 2) 0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	TERMINATION	Terminal block (14 to 22 AWG)		
0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2) 4-20 mA: 15-35 Vdc (loop-powered) or 22-28 Vac Limited Energy, <15W CONSUMPTION Current @ 20 mA Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control TYPE OF ACTION Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	PROTECTION CLASS	III		
Voltage @ 5 mA EU CONFORMITY CE CERTIFICATION UL 60730 & CSA E60730 UL 2043 / CSA / ULC S142 COMPLIANT Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control TYPE OF ACTION IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	POWER SOURCE UL	0-10 Vdc: 15-35 Vdc or 15-28 Vac SELV (Class 2)		
CERTIFICATION UL 60730 & CSA E60730 Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Type OF ACTION IMPULSE VOLTAGE 2	CONSUMPTION			
Suitable for Use in Air Handling Spaces in Accordance with Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL TYPE OF ACTION Type 1 MPULSE VOLTAGE 330V POLLUTION DEGREE 2	EU CONFORMITY	CE		
Section 300.22, (C) of the National Electrical Code PURPOSE OF CONTROL Operating Control TYPE OF ACTION Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	CERTIFICATION	UL 60730 & CSA E60730		
TYPE OF ACTION Type 1 IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	UL 2043 / CSA / ULC S142 COMPLIANT			
IMPULSE VOLTAGE 330V POLLUTION DEGREE 2	PURPOSE OF CONTROL	Operating Control		
POLLUTION DEGREE 2	TYPE OF ACTION	Type 1		
	IMPULSE VOLTAGE	330V		
SOLINITARY OF ODICINI	POLLUTION DEGREE	2		
LOUNTRY OF ORIGIN Canada	COUNTRY OF ORIGIN	Canada		

NOTE: This product is factory calibrated and any field adjustment will void the warranty.





WIRING INFORMATION						
	TERMINAL	FUNCTION				
NEG SEN EXC PWR OUT COM	PWR OUT COM NEG SEN EXC	Power Supply Analog Output Common Temperature Sensor Input				

ORDERING			PART NUMBER
PRODUCT	HATXGL	High Accuracy Glass Temperature Transmitter	HATXGL
ENCLOSURE	A E	ABS, with hinged and gasketed cover Same as A, with thread adapter (1/2" NPT to M16) and cable gland fitting	
SENSOR	18X 48X 22X	1000 Ω Platinum, IEC 751, 385 Alpha, thin film, Class A 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN 1000 Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 DIN	
ОИТРИТ	A D E	4-20mA 0-5 Vdc 0-10 Vdc	
SCALED RANGE	001 002 003 *	0 to 35°C (32 to 95°F) 0 to 50°C (32 to 122°F) 0 to 100°C (32 to 212°F) Additional ranges available	

 $NOTE: Greystone\ Energy\ Systems, Inc.\ reserves\ the\ right\ to\ make\ design\ modifications\ without\ prior\ notice.$











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PS-HATXGLXXX-02