

Series 852Plus Transformer WTI

SPECIFICATION

3 wire PT100 input:	+/- 1°C @ 20°C, PT100 input to Analogue output: +/- 2°C @ 20°C, displayed range 0-200°C
Analogue output:	0-10, 0-20 and 4-20mA (user selectable). Maximum loop resistance 800Ω.
CT input:	0.25-10A user selectable. Higher currents by special requests. Overload capability: 75A for 3 seconds. Hot Spot Gradient Algorithm Conforms to IEC 354
Relay outputs:	Watchdog and Cool Fail plus 4 off user adjustable for Pump, Fan, Alarm, and Trip all with N/O or N/C volt free contacts (user selectable by links).
Relay rating:	Contact life (>10 ⁵ operations): 5A Non inductive (Breaking: 100Vdc/0.4A, for inductive de-rate using L/R=7msecs, i.e. approx 0.2A@125Vdc).
Power supply:	Universal input, 82-265 Volts ac, 90-260 Vac and Vdc, power consumptions less than 6Va. Optional Low Voltage Power Supply 22-80Vac
Memory:	Non-volatile flash
Weight:	1.2Kg - panel mount, 1.2Kg - wall mount
Dimensions:	144mm (W) x 144mm (H) x 220mm (D), Cutout: 138mm x 138mm + 0.5/-0.00 - panel mount 241mm (W) x 185mm (H) x 105mm (D) - wall mount

ENVIRONMENT	
Operating temperature range:	-20 to 70°C and 0-95% RH Non condensing
Wall mounted enclosure to	IP65.
Panel mounted enclosure to	IP55.
Seismic to	EN60255-21-3 (class 2).
Shock and vibration to	IEC 68-2-6, 68-2-27, 68-2-29.

EN60068-2-2, EN60068-2-1, EN68-2-56, EN68-2-1, NGTS 3.24.15 (8.26-8.28)

EMC:	
Meets the intent of Directive 89/336 and LVD 73/23/ECC	
EN61000-4-5, NGTS 3.24.4 (7.7-11), EN61000-4-11, EN61000-4-4, EN61000-4-12, EN61000-4-2, EN61000-4-3, EN61000-4-6, EN61000-4-16, IEC 60255-22-7, EN 55022, NGTS 3.24.4 (7.65-7.69), EN61000-4-10, IEC 60255-5 (6.3 & 6.4), IEC 60255-5 (7.2),	
APPROVALS:	Firmware version t and hardware Mod b or above meets the intent of the following: NGTS WTI specification 3.3.09, Issue 1 and NGTS 3.24.15 for EMC and Environmental.



ACCESSORIES: Ashridge Engineering provides:

Weather and Solar Shields

Platinum Resistance Thermometers:

- › Standard PT100
- › Custom PT100
- › Magnetic PT100

Stainless Steel Thermowells:

- › Standard Thermowell
- › Custom Thermowell

Cooling System Monitoring CT's:

- › Size A (10 Amps)
- › Size B (30 Amps)
- › Size C (60 Amps)
- › Custom CT with or without mounting feet

Conversion Mounting Plates:

- › Mounts directly onto C105 mounting holes

Please refer to the 852 Selection Guide document on our website for more information on the whole range of Ashridge WTI's at www.ash-eng.co.uk/products

AGENT

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EN50081-1
EN50082-1

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Subject to change without notification

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