Our Ref: 2006-2-8802

BEAB Ref: CAT 0671/M1

Date: *21 August 2006*

*Distribution: Certificate Holder/Intertek

Your Ref: AI 20/02/2006

BEAB APPROVAL SCHEME

MODIFICATION NOTIFICATION

Intertek Report No: 06019506

Certificate Holder: Cotherm (UK) Limited

Product: GTLH and GTLU Series Thermostat

The modification, as detailed below, has been Approved by ASTA BEAB.

The scope of this approval has been extended, to include:

Increase of "Head Temperature (T_{max})" from 120°C to 150°C for the following variants

GTLH, GTLH3, GTLU and GTLU3 only.

David Crook
Senior Approvals Engineer

Engineering Manager/
Verifying Engineer

File Ref: 8802

ASTA BEAB Certification Services, 1 Station View, Guildford, Surrey, England. GU1 4JY.

Tel: +44 (0) 1483 455466 Fax: +44 (0) 1483 455477 Email: certificates@beab.co.uk Web: www.beab.co.uk

PRODUCT APPROVAL CERTIFICATE

This is to certify that

Cotherm (UK) Limited

of

Coval House, Mills Road, Chilton Industrial Estate, Sudbury

is authorised to use the BEAB APPROVAL MARK and the ENEC MARK of CONFORMITY set out below, on the following goods

Product	**The Cotherm GTLH and GTLU Series Thermostat, GTLHR and GTLUR Series Thermal Cut-Out**
Brand Name	**Cotherm**
Model or Type No.	**GTLH, GTLU, GTLHR & GTLUR As specified in report 04014307 dated 23/12/05, 06019506 dated 10/08/2006 and any BEAB modification notifications thereto.**
Principal Characteristics	**250V ac, 20A/5(5)A**
Approval Standard	**EN60 730-1:2000 + A1, A11-A14, EN60 730-2-9:2002 +A1, A2, A11, A12**

This Certificate is issued in accordance with the Certification Regulations governing its use and in reliance on the undertaking given by the Licensee and only extends to the use in respect of the goods produced to conform with the Approval Standard. Compliance with requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low Voltage Directive 73/23/EEC.This Certificate is not transferable and remains the property of ASTA BEAB Certification Services.

This approval will be reviewed at the review date, or earlier if preceded by the withdrawal of the Standard on which the Approval of the product was based. **Limitations:**	Certificate No. Issue No. Page	C1152NL 3 1 of 3
	BEAB Reference No.	CAT 0671
	Issue Date	21 August 2006
	Review Date	10 February 2011

BEAB

Authorising Engineer

Authorising Director

ASTA BEAB Certification Services, 1 Station View, Guildford, Surrey, England. GU1 4JY.
Tel: +44 (0) 1483 455466 Fax: +44 (0) 1483 455477 Email: certificates@astabeab.com
Web:www.astabeab.com

Approval Certificate

Continuation

Cert No: C1152NL

BEAB Reference No: CAT 0671
Issue Number : 3

Unique Type Reference System

See page 3

Voltage	250V ac
Current	Contacts 1-2, 20A resistive / 1-3, 5(5)A SPDT In SPST configeration contacts 1-2 are only 20A resistive, and contacts 1-3 only 5(5)A rated.
Construction	Incorporated control for Class I, Class II and Class III applications
Automatic Action Type	Thermostat - Type 1 Thermal Cut-Out - Type 2
Tmax	120°C (All variants) - 150°C (GTLH, GTLH3, GTLU & GTLU3)
Tmin	0°C
Dirt Protection	Pollution Degree 2
Moisture Protection	IP00
Contact Separation	Thermal Cut-Out Micro Disconnection 2B / Thermostat Micro Interruption 1C
Heat, Fire and Tracking	Ball pressure 182°C / Glow wire 850°C (Reset pin & knob 550°C) / Tracking PTI 250V
Automatic Cycles	100,000 Thermostat 300 Thermal Cut-Out (Tmax 120°C) 30,000 Thermostat (Tmax 150°C GTLH, GTLH3, GTLU & GTLU3)
Manual Cycles	300 Thermostat and Cut-Out
Factory	Cotherm SA, ZI Les Levees, 38470 Vinay, France Cotherm (UK) Limited, Coval House, Mills Road, Chilton Industrial Estate, Sudbury, UK Cotherm Tunisie, Rue Aman Zone D'Activites D'Ez - Zahra Gouvernerat De Ben Arous, Tunisia

Approval Certificate
Continuation

GTL is a basic hydraulic thermostat with SPST or SPDT contact arrangements.

An 8 character UTR is used for the series where the first 6 characters identify the type, and the remaining 4 characters refer to a specific drawing number.

GTLH & GTLU Series Thermostat
GTLHO - - - & GTLUO - - - SPST Thermostat Variants
GTLH3 - - - & GTLU3 - - - SPDT Thermostat Variants

GTLHR & GTLUR Series Non-self re-setting Thermal Cut-Out:
GTLHR - - - & GTLUR - - - SPST Thermal Cut-Out Variants
GTLHR3 - - - & GTLUR3 - - - SPDT Thermal Cut-Out Variants

Unique Type Referencing System:

Referencing to a drawing number is essential because of the wide variety of combinations of temperature ranges, capillary lengths and materials, terminal configurations and spindle lengths that are demanded by clients. This
submission includes the following:

Temperature ranges:

From -35 to +35 up to -5 to +350°C

Terminal arrangements:

Straight or bent tabs at *45°* or *90°* up or down. Plain Brass or Nickel Plated according to application.

Spindle lengths:

From 0 mm fixed operation to maxi 35 mm adjustable operation.

Hydraulic trains:

Copper or Stainless Steel, with or without various forms of insulating sleeving. Various bulb lengths and diameters. Various bellows diameters depending on temperature range.

Plastic materials:

Colours may vary according to availablilty and client demand.

Control knobs:

May be supplied to client specification.