Cotherm

FOOD SERVICE

INTERNATIONAL DISTRIBUTION CATALOGUE

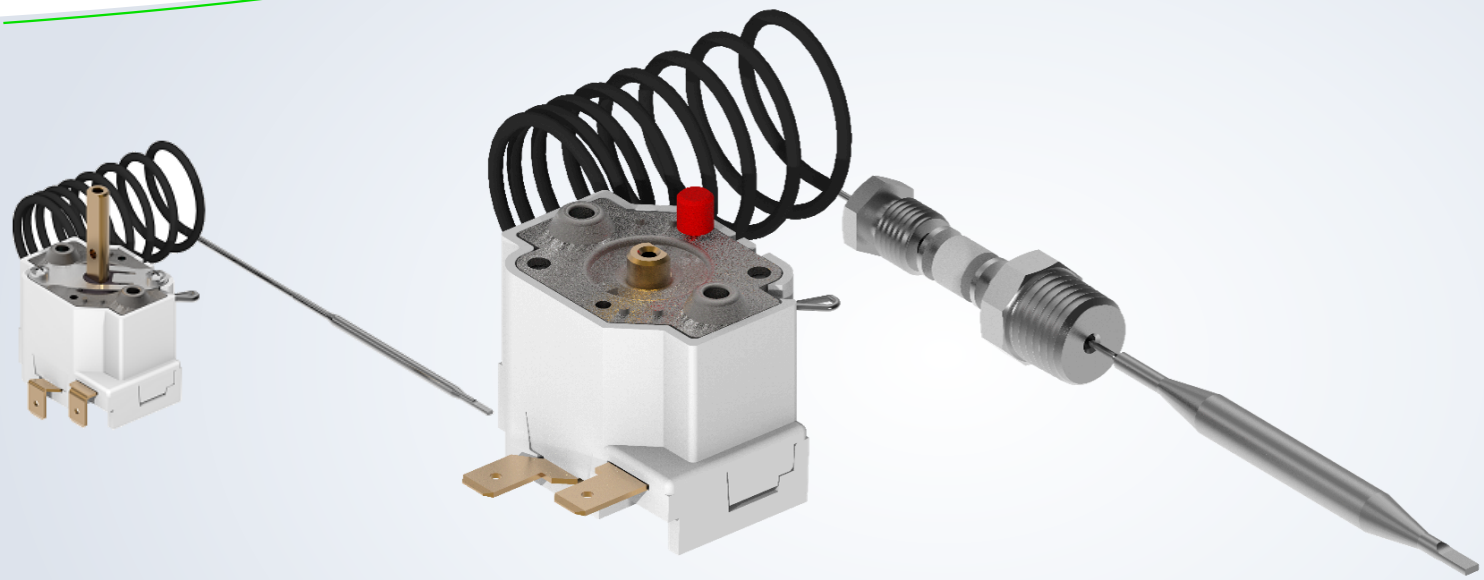
Edition 2026

MADE IN FRANCE

Thermal control and safety for food service

FRENCH TECHNOLOGY

1948



CERTIFIED ELECTRIC SAFETY

CE conformity, ENEC mark according to EN 60730-1 and EN 60730-2-9, UL and CAN/CSA approvals, RoHS conformity.

SAFETY FITTING THE APPLICATION

GTLUR safeties cut out at a fixed temperature and need a manual reset.

FOOD COMPATIBILITY

316L stainless steel bulb. NSF-approved* mineral oil as standard for applications with possible contact with food.

BUILT FOR INTENSIVE USE

316L passivated stainless steel bulbs, PTFE-sleeved capillaries and soldered screw terminals withstand humidity, vibration, dry running and thermal shock.

MAKE INSTALLER LIFE EASY

Standard shaft and Faston terminals. Faston angles, fixing brackets, extra ground Faston, waterproof gland, insulation sleeves and shaft length on request.

*NSF: National Sanitation Foundation

COTHERM SELECTED BY:

BLODGETT Ovens, BUNN, CHARVET, AccuTemp, Cleveland

SOFRACA, Curtis, METRO, Resfab WHERE TECHNOLOGY MAKES A DIFFERENCE, ONNERA, La Sommelière, MOYER DIEBEL Simply Engineered Better, DOUGLAS WASHING AND SANITIZING SYSTEMS A SANI-MATIC COMPANY

Hot holding and proofing

HOT HOLDING

GTL WARMING CABINETS, DISPLAYS AND PLATE WARMERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**30–95 °C** 86–203 °F	2,200 / sleeve 1,500	Ø6	No	Shaft 15 mm · 270°	—
Regulation	**30–95 °C** 86–203 °F	1,500 / sleeve 1,000	Ø6	No	Shaft 15 mm · 270°	—
Safety	**125 °C** 257 °F	1,500 / sleeve 1,000	Ø6	No	Manual reset	North America bracket, soldered screw terminals

- Heated cabinets, displays and pass-throughs
- Plate warmers
- Holding 60–95 °C / 140–203 °F
- Long capillary: 1.5 or 2.2 m
- NSF-approved oil





GTL BAIN-MARIE, SOUP KETTLES AND SAUCE WARMERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**30–95 °C** 86–203 °F	1,500 / sleeve 1,000	Ø6	Yes	Shaft 15 mm · 270°	—
Safety	**125 °C** 257 °F	1,500 / sleeve 1,000	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals

- Wet bain-maries and soup kettles
- Sauce and syrup warmers
- Immersed bulb with gland
- 125 °C / 257 °F dry-run safety
- NSF-approved oil





GTL PROOFING CABINETS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**20–50 °C** 68–122 °F	2,200 / sleeve 1,500	Ø6	No	Shaft 15 mm · 270°	—

- Dough proofing 28–50 °C / 82–122 °F
- 20–50 °C / 68–122 °F regulation range
- Humidity tray: see boiling pan references
- NSF-approved oil



PROOFING

- **Designed for IEC 60335-2-49 and IEC 60335-2-50 appliances**
- **1-pole, up to 25 A - 250 V~, Faston terminals**
- **Standard NSF-approved oil, 0–250 °C / 32–482 °F**
- **CE, ENEC, UL and CSA compliance**

Fryers and ovens

COOKING & WAREWASHING

GTL DEEP FRYERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**95–190 °C** 203–374 °F	1,500 / sleeve 800	Ø6	No	Shaft 23 mm · 270°	OFF position
Regulation	**95–190 °C** 203–374 °F	1,500 / no sleeve	Ø6	Yes	Shaft 23 mm · 270°	OFF position
Regulation	**95–190 °C** 203–374 °F	900 / sleeve 500	Ø6	No	Shaft 23 mm · 270°	OFF position
Regulation	**95–190 °C** 203–374 °F	900 / no sleeve	Ø6	Yes	Shaft 23 mm · 270°	OFF position
Safety	**230 °C** 446 °F	1,500 / sleeve 800	Ø6	No	Manual reset	North America bracket, soldered screw terminals
Safety	**230 °C** 446 °F	1,500 / sleeve 800	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals

- Oil control 95–190 °C / 203–374 °F
- 230 °C / 446 °F safety, manual reset
- Gland for tank pass-through
- OFF position on the knob
- NSF-approved oil





GTL SNACK, CONVECTION AND PASTRY OVENS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Safety	**350 °C** 662 °F	1,800 / no sleeve	Ø3	No	Manual reset	—
Safety	**350 °C** 662 °F	1,800 / PTFE sleeve 500	Ø3	No	Manual reset	—
Regulation	**50–250 °C** 122–482 °F	1,800 / PTFE sleeve 500	Ø3	No	Shaft 23 mm · 270°	OFF position
Regulation	**50–320 °C** 122–608 °F	1,800 / PTFE sleeve 500	Ø3	No	Shaft 23 mm · 270°	OFF position

- Ø3 mm bulb, 1.8 m capillary
- PTFE sleeve for hot zones
- Control 50–250 °C / 122–482 °F or 50–320 °C / 122–608 °F
- 350 °C / 662 °F cavity safety





- **Designed for IEC 60335-2-36, -2-37, -2-38, -2-39, -2-42, -2-47 and -2-58 appliances**
- **Manual-reset safeties (GTLUR)**
- **PTFE-sleeved capillaries for hot zones**
- **CE, ENEC, UL and CSA compliance**

Griddles and steam cooking

COOKING & WAREWASHING

GTL GRIDDLES, PLANCHAS AND BRATT PANS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**50–320 °C** 122–608 °F	1,800 / PTFE sleeve 800	Ø3	No	Shaft 23 mm · 270°	Linear scale
Regulation	**50–320 °C** 122–608 °F	900 / PTFE sleeve 500	Ø3	No	Shaft 23 mm · 270°	Linear scale
Regulation	**50–250 °C** 122–482 °F	1,500 / PTFE sleeve 800	Ø3	No	Shaft 14 mm · 270°	Linear scale
Regulation	**50–250 °C** 122–482 °F	900 / PTFE sleeve 500	Ø3	No	Shaft 14 mm · 270°	Linear scale
Safety	**350 °C** 662 °F	900 / PTFE sleeve 500	Ø3	No	Manual reset	—
Safety	**300 °C** 572 °F	1,500 / PTFE sleeve 800	Ø3	No	Manual reset	—

- Ø3 mm bulb fitted in the plate
- Linear temperature scale
- Short 14 mm shaft versions
- 300 °C / 572 °F or 350 °C / 662 °F plate safety





GTL COMBI OVENS AND STEAMERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Safety	**125 °C** 257 °F	1,500 / sleeve 1,000	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals, optional changeover (alarm)

- Steam generator dry-run safety
- Optional changeover contact to report the fault
- Cavity safety: 350 °C / 662 °F (see ovens)
- NSF-approved oil





SAFETY TEMPERATURE SELECTOR

GTLUR safety · manual reset

95 °C
203 °F
Dishwasher booster and rinse

125 °C
257 °F
Dry-run: bain-marie, boiling pan, steam generator, wash tank

165 °C
329 °F
Espresso steam boiler

230 °C
446 °F
Fryer oil

300 °C
572 °F
Griddle and plancha plate

350 °C
662 °F
Oven cavity and griddle plate

- **Designed for IEC 60335-2-36, -2-37, -2-38, -2-39, -2-42, -2-47 and -2-58 appliances**
- **Manual-reset safeties (GTLUR)**
- **PTFE-sleeved capillaries for hot zones**
- **CE, ENEC, UL and CSA compliance**

Boiling pans and warewashing

COOKING & WAREWASHING

GTL BOILING PANS, PASTA COOKERS AND HOT WATER DISPENSERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**30–110 °C** 86–230 °F	1,200 / sleeve 800	Ø6	Yes	Shaft 23 mm · 270°	North America bracket, soldered screw terminals
Regulation	**30–110 °C** 86–230 °F	800 / sleeve 500	Ø6	Yes	Shaft 23 mm · 270°	North America bracket, soldered screw terminals
Safety	**125 °C** 257 °F	1,200 / sleeve 800	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals

- Boiling pans and pasta cookers
- Hot water dispensers and urns
- Immersed 316L bulb with gland
- 800 mm version for countertop units
- NSF-approved oil





GTL DISHWASHERS AND GLASSWASHERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**30–85 °C** 86–185 °F	1,200 / sleeve 800	Ø6	No	Shaft 23 mm · 270°	North America bracket, soldered screw terminals
Regulation	**30–85 °C** 86–185 °F	1,200 / no sleeve	Ø6	Yes	Shaft 23 mm · 270°	North America bracket, soldered screw terminals
Regulation	**30–85 °C** 86–185 °F	800 / sleeve 500	Ø6	No	Shaft 23 mm · 270°	North America bracket, soldered screw terminals
Safety	**125 °C** 257 °F	1,200 / sleeve 800	Ø6	No	Manual reset	North America bracket, soldered screw terminals
Safety	**125 °C** 257 °F	1,200 / sleeve 800	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals
Safety	**95 °C** 203 °F	1,200 / sleeve 800	Ø6	No	Manual reset	North America bracket, soldered screw terminals
Safety	**95 °C** 203 °F	1,200 / sleeve 800	Ø6	Yes	Manual reset	North America bracket, soldered screw terminals

- Wash tank 55–65 °C / 131–149 °F
- Booster 82–85 °C / 180–185 °F
- 95 °C / 203 °F and 125 °C / 257 °F safeties
- With or without gland
- NSF-approved oil





- **Designed for IEC 60335-2-36, -2-37, -2-38, -2-39, -2-42, -2-47 and -2-58 appliances**
- **Manual-reset safeties (GTLUR)**
- **PTFE-sleeved capillaries for hot zones**
- **CE, ENEC, UL and CSA compliance**

Coffee, espresso and wine

COLD & BEVERAGE

GTL FILTER COFFEE AND TEA BREWERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation	**94 °C** 201 °F	*Fixed set point · capillary, bulb and mounting to suit the brewer, on request*				
Regulation	**92 °C** 198 °F	*Fixed set point · capillary, bulb and mounting to suit the brewer, on request*				

- Brewing at 92 °C / 198 °F or 94 °C / 201 °F
- Fixed set point
- NSF-approved oil





GTL ESPRESSO MACHINES

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Safety	**165 °C** 329 °F	1,200 / sleeve 800	Ø6	No	Manual reset	North America bracket, soldered screw terminals

- Steam boiler safety at 165 °C / 329 °F
- Bulb in a thermowell
- Boiler regulated by a pressure switch
- NSF-approved oil



ESPRESSO

GTL WINE CELLARS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · changeover	**-5 / +25 °C** 23 / 77 °F	1,200 / no sleeve	Ø6	No	Shaft 23 mm · 270°	Changeover: NO cooling, NC heating

- Storage at 10–18 °C / 50–64 °F
- Cooling and heating from one changeover contact
- One -5/+25 °C (23/77 °F) calibration for all positive cold





- **Designed for IEC 60335-2-75 and IEC 60335-2-89 appliances**
- **One -5/+25 °C (23/77 °F) calibration for all positive cold**
- **Standard NSF-approved oil, 0–250 °C / 32–482 °F**
- **CE, ENEC, UL and CSA compliance**

Refrigeration and beverage cooling

COLD & BEVERAGE

GTL REFRIGERATED CABINETS AND DISPLAYS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · changeover	**-5 / +25 °C** 23 / 77 °F	1,500 / no sleeve	Ø6	No	Shaft 23 mm · 270°	Changeover: NO cooling, NC heating
Regulation · changeover	**-5 / +25 °C** 23 / 77 °F	900 / no sleeve	Ø6	No	Shaft 23 mm · 270°	Changeover: NO cooling, NC heating

- Cabinets, counters and saladettes
- Beverage and pastry displays, back-bar
- Milk coolers (900 mm version)



POSITIVE COLD

GTL WATER COOLERS AND BEVERAGE COOLERS

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · changeover	**-5 / +25 °C** 23 / 77 °F	1,200 / no sleeve	Ø6	Yes	Shaft 23 mm · 270°	Changeover: NO cooling, NC heating

- Chilled water dispensers
- Water-bath beer and soft-drink coolers
- Immersed 316L bulb with gland



WATER BATH

GTL ICE BANK CONTROL

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · changeover, fixed	**Cut-out -2.5 °C / cut-in +0.5 °C** Cut-out 27.5 °F / cut-in 32.9 °F	800 / no sleeve	Ø6	No	Fixed setting	Changeover, tamper-proof setting

- Beer and post-mix coolers
- Stops the compressor when ice reaches the bulb
- Fixed, tamper-proof setting



ICE BANK

- **Designed for IEC 60335-2-75 and IEC 60335-2-89 appliances**
- **One -5/+25 °C (23/77 °F) calibration for all positive cold**
- **Standard NSF-approved oil, 0–250 °C / 32–482 °F**
- **CE, ENEC, UL and CSA compliance**

Ice machines and frost protection

COLD & BEVERAGE

GTL ICE MACHINES

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · changeover	**-5 / +25 °C (set ~ +2 °C)** 23 / 77 °F (set ~ 36 °F)	1,200 / no sleeve	Ø6	No	Shaft 23 mm · 270°	Changeover: NO cooling, NC heating

- Bin control, set around +2 °C / 36 °F
- Stops production when ice touches the bulb



ICE BIN

GTL FROST PROTECTION

TYPE	TEMPERATURE	CAPILLARY / SLEEVE (MM)	BULB Ø (MM)	GLAND	CONTROL	OPTIONS
Regulation · fixed	**+5 °C (closes on fall)** 41 °F	1,200 / sleeve 800	Ø6	No	Fixed setting	NC contact

- Outdoor dispensers and vending
- Water lines and unheated rooms
- Heats below +5 °C / 41 °F (NC contact)



FROST

ONE CALIBRATION FOR ALL POSITIVE COLD

The same GTLU -5/+25 °C (23/77 °F) changeover thermostat covers wine cellars, refrigerated cabinets, water coolers, ice banks, ice machines and frost protection. Only the capillary length, the gland and the setting change.

POSITIVE COLD: TYPICAL SETTINGS

GTLU -5/+25 °C (23/77 °F) changeover

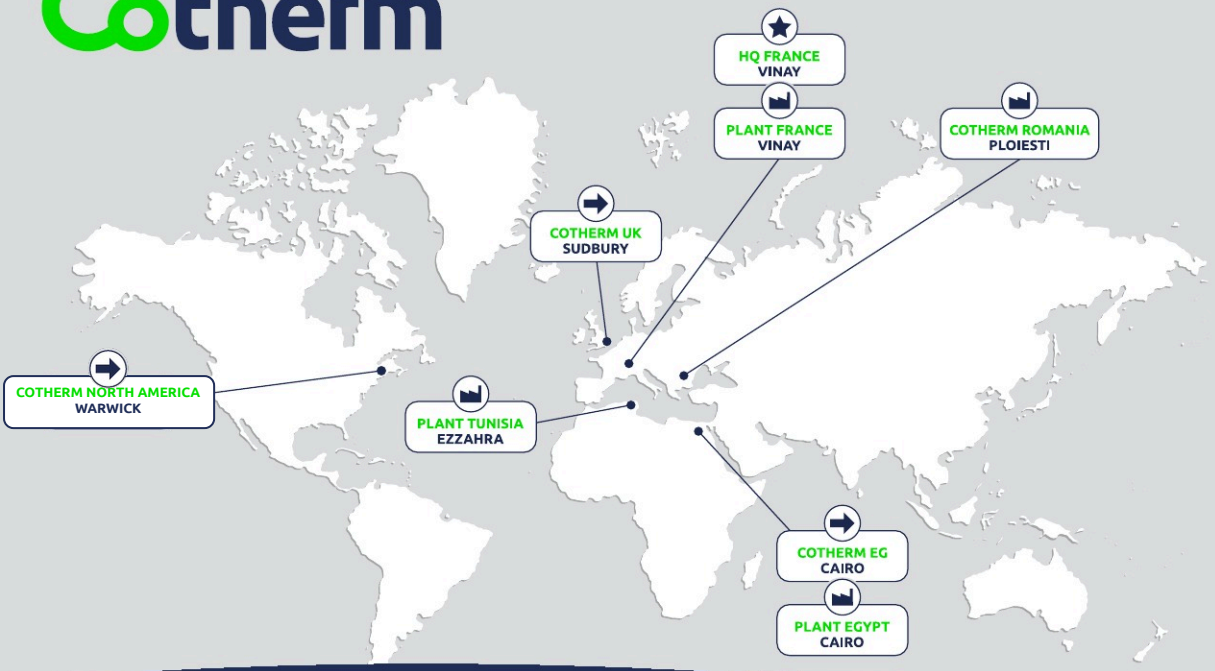
10–18 °C	+2/+8 °C	+4/+10 °C	-2.5/+0.5 °C	~ +2 °C	+5 °C
50–64 °F	36/46 °F	39/50 °F	27.5/32.9 °F	~ 36 °F	41 °F
Wine cellar 1,200 mm	Refrigerated cabinet 900 / 1,500 mm	Water cooler with gland	Ice bank fixed · 800 mm	Ice machine bin 1,200 mm	Frost protection NC contact

- **Designed for IEC 60335-2-75 and IEC 60335-2-89 appliances**
- **One -5/+25 °C (23/77 °F) calibration for all positive cold**
- **Standard NSF-approved oil, 0–250 °C / 32–482 °F**
- **CE, ENEC, UL and CSA compliance**

Cotherm worldwide

FOOD SERVICE

Cotherm



75+ YEARS OF EXPERIENCE

4 PRODUCTION SITES

60+ EXPORTING COUNTRIES

300+ MILLION PRODUCTS INSTALLED

For more than 30 years, Cotherm has supplied food service equipment manufacturers with capillary thermostats and safety limiters, from ovens in the 1990s to fryers, warming cabinets, coffee brewers and wine cellars today.

Our GTL bulb-and-capillary thermostats and GTLUR safeties are designed with each manufacturer to fit the appliance: temperature range, bulb position, capillary length, sleeve and gland, and the safety standards of each market.

ANTICIPATE

- Control expertise
- Certified platforms
- Market vision and strategy

DESIGN

- Total cost of the solution
- Platform customization
- Project management

VALIDATE

- Proof of concept
- Quality testing
- Field testing

DEPLOY

- Forecasting
- Supply chain
- Mass production and launch support

FOOD SERVICE REFERENCES

BLODGETT Ovens · BUNN · CHARVET · AccuTemp · Cleveland · SOFRACA · Curtis · METRO · Resfab WHERE TECHNOLOGY MAKES A DIFFERENCE · ONNERA · La Sommelière · MOYER DIEBEL Simply Engineered Better · DOUGLAS WASHING AND SANITIZING SYSTEMS A SANI-MATIC COMPANY

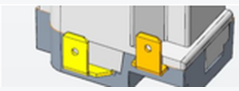
Options and accessories

ALL RANGES



STRAIGHT FASTON

Standard straight Faston terminals.



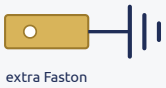
90° ANGLED FASTON

Faston terminals bent at 90° to suit the appliance wiring.



FIXING BRACKETS

Native 28 mm / 1.10" screw spacing (EU). Optional bracket for 1.31" or 1.73" screw spacing (North America).



EXTRA GROUND FASTON

Additional ground (earth) Faston terminal on request.



SOLDERED SCREW TERMINALS

Soldered screw terminals instead of Faston, for appliances exposed to vibration.



WATERPROOF STUFFING GLAND

Threaded waterproof gland for tank pass-through: fryers, boilers, water baths.



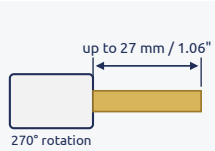
PASSIVATION TREATMENT

Passivated 316L stainless steel bulb, Ø3 – 5 – 6 mm / 1/8" – 3/16" – 1/4".



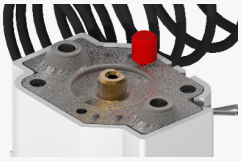
INSULATION SLEEVES

Standard or PTFE insulation sleeve, length to order, for hot or humid zones.



SHAFT LENGTH

Shaft length to order, up to 27 mm / 1.06".



MANUAL RESET

GTLUR safety: fixed cut-out with red reset button. Automatic reset on request.



CHANGEOVER CONTACT

GTLU3 / GTLUR3: 1-pole changeover, 5 A inductive. Cooling and heating, or alarm.



CAPILLARY LENGTH

Capillary length to order, up to 3000 mm / 118".

ELECTRICAL DRAWING



Standard GTLU / GTLUR | *Changeover GTLU3 / GTLUR3*

CERTIFICATION

UL · CAN/CSA · RoHS

CE conformity · ENEC mark according to EN 60730-1 and EN 60730-2-9 · UL · CAN/CSA · RoHS conformity.

MADE IN FRANCE

FOOD COMPATIBILITY

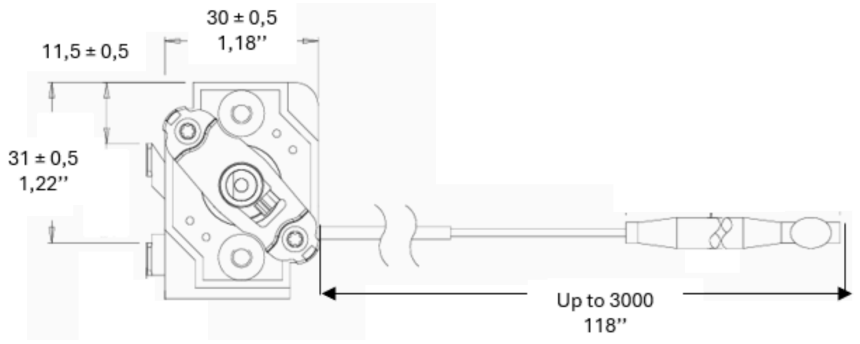
As standard for temperature ranges from 0 to 250 °C / 32 to 482 °F: NSF-approved* mineral oil and 316L stainless steel bulb.

*NSF: National Sanitation Foundation

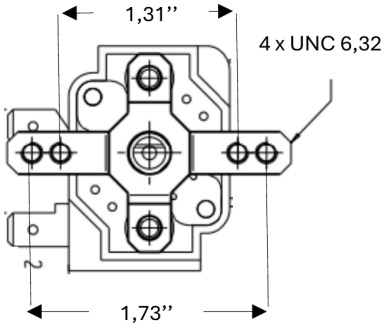
Dimensions

MM
INCH

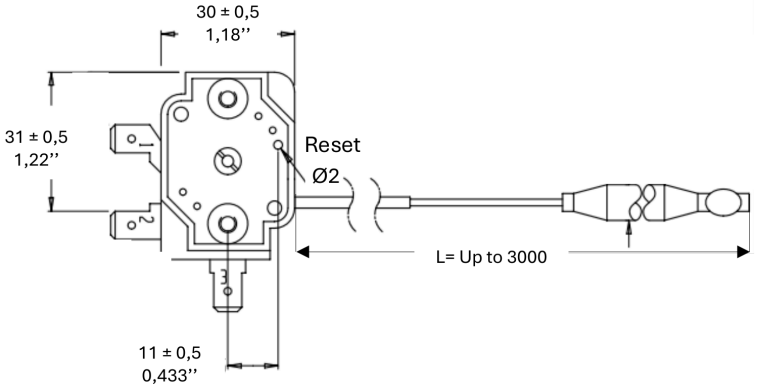
GTLU CONTROL · FRONT VIEW



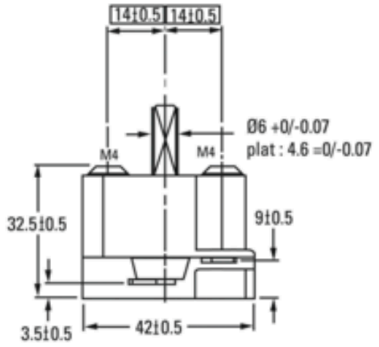
WITH NORTH AMERICA BRACKET



GTLUR SAFETY · FRONT VIEW



SIDE VIEW · GTLU / GTLUR



FRONT VIEW	
mm	inch
30 ± 0.5	1.18 ± 0.02
31 ± 0.5	1.22 ± 0.02
11.5 ± 0.5 (GTLU)	0.45 ± 0.02
11 ± 0.5 (GTLUR)	0.433 ± 0.02
Reset Ø2 (GTLUR)	Ø0.08

SIDE VIEW	
mm	inch
14 ± 0.5 (× 2 = 28)	0.55 ± 0.02 (× 2 = 1.10)
32.5 ± 0.5	1.28 ± 0.02
42 ± 0.5	1.65 ± 0.02
9 ± 0.5	0.35 ± 0.02
3.5 ± 0.5	0.14 ± 0.02

SHAFT, BRACKET, CAPILLARY	
mm	inch
Shaft Ø6 +0/-0.07	Ø0.236 +0/-0.003
Flat 4.6 +0/-0.07	0.181 +0/-0.003
Bracket 33.3 / 43.9	1.31 / 1.73
Screws: M4 (EU)	4 × UNC 6-32 (bracket)
Capillary up to 3000	up to 118

COTHERM FOOD SERVICE DISTRIBUTION CATALOGUE - EN - 2026. Drawings and data from GTLH/GTLU and GTLHR/GTLUR datasheets v1.0 05/2026.
Photo credits: © Cotherm. Customer logos and appliance photos remain the property of their owners.

Cotherm
Thermal control for sustainable solutions

cotherm.com

COTHERM FRANCE · HQ
107, Chemin des Traverses
Z.I. Les Levées
38470 Vinay, France

COTHERM UK
Coval House, 11 Mills Road
Sudbury, Suffolk CO10 2XX
United Kingdom

COTHERM NORTH AMERICA
87 Dewey Ave
Warwick, Rhode Island 02886
USA

COTHERM EGYPT
Industrial zone A1, West, Block 11
44629 10th of Ramadan City, Egypt
Contact_EG@cotherm.com

COTHERM CHINA
Jiao Jia
j.jia@cotherm.com
+86 186 0167 9827

COTHERM VIETNAM
Sang Pham · s.pham@cotherm.com
+84 901 111 717 (Zalo)
+84 906 697 235 (mobile)
Ho Chi Minh City, Vietnam