



ASSURED QUALITY & SAFETY SNAP DISC THERMOSTATS

- ⊕ TRUSTED BY MAJOR BRANDS WORLDWIDE
- ⊕ GLOBAL CERTIFICATION
- ⊕ MANUAL AND AUTOMATIC RESET
- ⊕ MULTIPLE DESIGN OPTIONS



MADE IN JAPAN SINCE 1963
DISTRIBUTED IN THE UK BY HAWCO FOR OVER 20 YEARS

hawco

Thermostats are a crucial safety element in many household and commercial products. That's why we only offer **bimetal thermostats designed by NGT Controls**, a top manufacturer respected for its product quality and reliability.

Certified to worldwide standards, these thermostats are widely used in car seat heating, boilers, commercial catering equipment and domestic appliances.

NGT thermostats are trusted in brands as diverse as **Daikin, Toyota, Bosch, Siemens, Miele, Baxi** and **Panasonic**.

And with a wide range of options to choose from, we can recommend a part with the precise specification to meet any product design or manufacturing requirements at a highly competitive price.



QUALITY ASSURANCE

International certification makes it easier to achieve product compliance in new markets

- UL, VDE, CE, CSA & RoHS approved
- Production meets ISO9001 & ISO14001 standards for consistent quality
- Parts manufactured in-house using carefully sourced raw materials

MULTIPLE APPLICATIONS

Range of sizes, types, electrical ratings & materials to meet your specific requirements

- Automatic or manual reset
- Typically used up to 150°C, 180°C or 230°C
- Water proof (IP67) & splash proof (IP64) options available plus thin PCB style types

DESIGN FLEXIBILITY

We provide R&D teams with expert engineering advice to specify the best component

- Various terminal & mounting configurations
- Different pipe clips for tube mounting available, rated up to IP64 standards
- Choosing the right option can improve your production assembly process

EFFICIENT SUPPLY

Our most popular components are available for nationwide next-day delivery

- Short lead times for special items
- Bespoke items can be supplied in small order volumes of between 10 and 100 pieces
- Customisable set point and reset temperatures to meet highly specific operation

Automatic Reset

1/2" Disc Type: Max 150°C



Type 03



Type 11

Also available in Polyester (max 180°C) and Ceramic (max 230°C) body materials

Manual Reset

1/2" Disc Type: Max 150°C



Type 05



Type 23

Also available in Polyester (max 180°C) and Ceramic (max 250°C) body materials

Auto or Manual Reset

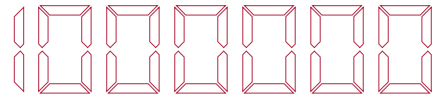
3/4" Disc Type: Max 150°C



1" Disc Type: Max 150°C



3/4" also available as a double disc type
1" also available in Ceramic for high temperature use (230°C)



We supply over one million thermal cut-outs every year

Products which feature an NGT cutout include the **Henry Hoover** range of vacuum cleaners, hot water boilers, electric showers, wiring looms inside **JCB** plant machinery and even ski boot ovens, used to customise the fitting of ski boots to individual customers.



Also available on request



FOR FULL PRODUCT SPECIFICATIONS & SELECTOR TOOL, VISIT WWW.HAWCO.CO.UK/NGT

Other typical applications include:

Car seat heaters, motor bike engines, restroom hand driers, industrial equipment, office equipment, medical equipment, CCTV and anti-icing systems.

Components Available for Next-Day Delivery

Type 03: Automatic Reset (½")

OPEN ON RISE (NORMALLY CLOSED) Horizontal Terminals		
PART	SET POINT	RESET TEMP
311-101	40°C ±3°C	25°C ±5°C
311-102	50°C ±3°C	35°C ±5°C
311-103	60°C ±3°C	45°C ±4°C
311-104	70°C ±3°C	55°C ±5°C
311-105	80°C ±3°C	65°C ±5°C
311-106	90°C ±3°C	75°C ±5°C
311-107	100°C ±3°C	85°C ±5°C
311-108	110°C ±4°C	95°C ±6°C
311-109	125°C ±4°C	110°C ±6°C
311-114	140°C ±4°C	120°C ±6°C
311-112	170°C ±5°C	140°C ±10°C
311-110	150°C ±4°C	130°C ±6°C

OPEN ON RISE (NORMALLY CLOSED) Vertical Terminals		
PART	SET POINT	RESET TEMP
311-147	15°C ±3°C	5°C ±3°C
311-148	20°C ±3°C	10°C ±3°C
311-150	30°C ±3°C	20°C ±4°C
311-151	40°C ±3°C	25°C ±5°C
311-152	50°C ±3°C	35°C ±5°C
311-154	70°C ±3°C	55°C ±5°C
311-155	80°C ±3°C	65°C ±5°C
311-156	90°C ±3°C	75°C ±4°C
311-157	100°C ±3°C	85°C ±6°C
311-158	125°C ±4°C	110°C ±6°C
311-159	110°C ±4°C	95°C ±6°C
311-160	150°C ±4°C	130°C ±6°C

CLOSE ON RISE (NORMALLY OPEN) Vertical Terminals		
PART	SET POINT	RESET TEMP
311-250	40°C ±3°C	25°C ±5°C
311-251	60°C ±3°C	45°C ±4°C
311-256	90°C ±3°C	75°C ±4°C

Type 52: Automatic Reset (½") High Temperature

OPEN ON RISE (NORMALLY CLOSED) Horizontal Terminals		
PART	SET POINT	RESET TEMP
311-335	200°C ±10°C	160°C ±15°C
311-337	225°C ±10°C	175°C ±15°C
311-339	250°C ±10°C	200°C ±20°C

Type 05: Manual Reset (½") Small Button

OPEN ON RISE (NORMALLY CLOSED) Horizontal Terminals	
PART	MANUAL RESET
311-837	40°C NC ± 4°C TOL
311-840	45°C NC ± 4°C TOL
311-833	55°C NC ± 4°C TOL
311-846	65°C NC ± 4°C TOL
311-829	80°C NC ± 4°C TOL
311-845	90°C NC ± 5°C TOL
311-847	100°C NC ± 5°C TOL
311-844	130°C NC ± 5°C TOL
311-830	150°C NC ± 5°C TOL

OPEN ON RISE (NORMALLY CLOSED) Vertical Terminals	
PART	MANUAL RESET
311-832	115°C NC ± 5°C TOL

Type 23: Manual Reset (½") Large Button

OPEN ON RISE (NORMALLY CLOSED) Horizontal Terminals	
PART	SET POINT
311-301	56°C NC ± 3°C
311-839	67°C NC ± 3°C
311-831	80°C NC ± 3°C
311-305	100°C NC ± 3°C
311-307	132°C NC ± 3°C
311-108-001	150°C NC ± 3°C

GOT A PROJECT IN MIND? WE CAN HELP

Every day, our in-house design team advise OEM customers on the components they need.

We can source a suitable part from an existing design specification or set of technical drawings. Or we can investigate a number of different solutions based on original requirements.

If you want advice on how to improve your product or reduce its cost, discuss your project with us.



REQUEST A TEST SAMPLE FOR YOUR PRODUCT DESIGN



ARRANGE A MEETING WITH A TECHNICAL EXPERT



SEND US YOUR PROJECT SCOPE

TO TALK TO OUR EXPERT TEAM,
CALL +44 (0)1483 869 070 OR
EMAIL SALES@HAWCO.CO.UK

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