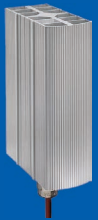# Thermal Edge Inc.™

MADE IN THE USA SINCE DAY ONE

Enclosure Accessories

Efficient and cost effective solutions for complete enclosure conditions management

Climate conditions for electrical and electronic components are not always ideal. To minimize risks and optimize the operating conditions of equipment, we offer a wide range of temperature and humidity control systems, making sure that electrical and electronic parts are protected from the elements.

Explosion Proof

For use in hazardous areas for prevention of formation of condensation, temperature fluctuations, and frost

Regulators

Temperature regulators and hygrostats control and regulate connected heaters, filter fans and heat exchangers

Heaters

Use our enclosure heaters to avoid temperature drops in your equipment, preventing the formation of condensation

Lighting

Create round-the-clock ideal lighting conditions in enclosures and cabinets

Explosion Proof

REx 011
15 °C, 25 °C (T6)
Hazardous Area Thermostat

- For use in hazardous areas
- High switching capacity
- Compact Design
- "Pre-set" temperature
- Ready-to-use with strain relief
- Temperature class T6
- Optional sideways mounting

CREx 020
50 - 100 W (T5)
Hazardous Area Heater

- For use in hazardous areas
- Large convection surface
- DIN rail and screw mounting
- Ready-to-use with strain relief
- Maintenance free
- Temperature class T5

CREx 020
50 - 250 W (T3)
Hazardous Area Heater

- For use in hazardous areas
- Large convection surface
- DIN rail and screw mounting
- Ready-to-use with strain relief
- Maintenance free
- Temperature class T3

CREx 020
50 - 200 W (T4)
Hazardous Area Heater

- For use in hazardous areas
- Large convection surface
- DIN rail and screw mounting
- Ready-to-use with strain relief
- Maintenance free
- Temperature class T4

Hygrostats

MFR 012
Mechanical Hygrostat

- Efficient condensation control
- Adjustable relative humidity range
- High switching capacity
- DIN rail mountable

EFR 012
Electronic Hygrostat

- Adjustable & pre-set relative humidity setpoints
- Compact design
- High switching capacity
- Optical function display
- DIN rail mountable

EFL 012 (DC)
Electronic Hygrostat

- Large setting range
- Compact design
- Small hysteresis
- Optical function display
- Signal application

Enclosure Lights

Thermal Edge Inc.™
MADE IN THE USA SINCE DAY ONE

LED 025
Light

- Energy saving LED technology
- Wide voltage range
- Integrated power unit
- Magnet, screw or clip mount
- Wide variety of connections
- On/off switch or motion sensor

LED 025
Ecoline Light

- Energy saving LED technology
- Wide voltage range
- Integrated power unit
- Magnet, screw or clip mount
- Wide variety of connections
- Dual cage clamp for quick wiring

SL 025
Slimline Light with On/Off Switch

- Compact design
- Electronic ballast
- Optional integrated receptacle
- Screw or magnet mount
- Long-life, energy saving lamp
- On/off switch

SL 025
Slimline Light with Motion Sensor

- Compact design
- Electronic ballast
- Optional integrated receptacle
- Screw or magnet mount
- Long-life, energy saving lamp
- Motion sensor

LED 021/022
Varioline Lamp

- High luminous flux
- Integrated power unit
- Durable and maintenance-free LED technology
- Daisy chain
- On/off switch or motion sensor
- Magnet or screw fixing

LED 021/022
Varioline Lamp with Socket

- High luminous flux
- Integrated receptacle
- Durable and maintenance-free LED technology
- Integrated power unit
- Daisy chain
- On/off switch, motion sensor or connection for external door switch

PTC Heaters

RCE 016
5 - 9 W

- Compact size
- Wide voltage range
- Heating power adjusts to ambient temperature
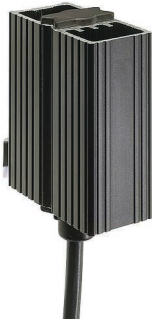- Energy saving

RC 016
8 - 13 W

- Compact size
- Wide voltage range
- Heating power adjusts to ambient temperature
- Energy saving

CSK 060
10 - 20 W

- Low surface temperature
- Compact size
- Wide voltage range
- Double insulated protection
- DIN rail mountable

HGK 047
10 - 30 W

- Compact size
- Wide voltage range
- Heating power adjusts to ambient temperature
- DIN rail mountable

HG 140
15 - 150 W

- Compact size
- Wide voltage range
- Heating power adjusts to ambient temperature
- Cage clamp connectors for quick & easy wiring
- DIN rail mountable

CP 061
50 - 100 W

- Contact/Convection Heater
- Ultra flat design
- Easy, firm installation
- Screw fixing
- Linear expansion compensation
- Integrated temperature cut-out

CSF 060
50 - 150 W

- Low surface temperature
- Integrated thermostat
- Compact size
- Wide voltage range
- Double insulated protection
- DIN rail mountable
- AC/DC 140-240 V [1]

CS 060
50 - 150 W

- Low surface temperature
- Compact size
- Wide voltage range
- Double insulated protection
- DIN rail mountable

Switch Module
DCM 010
20 VDC to 56 VDC

- High DC switching capacity
- Variety of applications
- Wide DC voltage range
- Simple connection

Thermostats

Thermal Edge Inc.™
MADE IN THE USA SINCE DAY ONE

KTO 111 / KTS 111
Small Thermostat

- Safe wiring with Push-In terminals
- Faster and tool-free wiring
- Improved air intakes for ventilation
- Easy adjustability of switch temperature setting

STO 011 / STS 011
Compact Thermostat

- Adjustable thumbwheel setting
- Compact design
- Small hysteresis
- High switching capacity
- DIN rail mountable

FTO 011 / FTS 011
Tamperproof Thermostat

- Compact design
- Fixed set point
- Color coded modules
- DIN rail mountable

ZR 011
Dual Thermostat

- NC / NO or NO / NO in one unit
- Separate adjustable temperatures
- Color coded temperature dials
- DIN rail mountable

FTD 011
Tamperproof Dual Thermostat

- NC / NO or NO / NO in one unit
- Fixed set points
- Color coded modules
- DIN rail mountable

FZK 011
Mechanical Thermostat

- Wide adjustment range
- High switching capacity
- SPDT (change-over) contact
- Very low hysteresis option
- DIN rail mountable

ETR 011
Electronic Thermostat

- Large setting range
- Compact design
- Small hysteresis
- Optical function display (LED)
- DIN rail mountable

ET 011
Electronic Thermostat DC 24 V

- 16 Amp DC switching capacity
- Low hysteresis
- Wide adjustment range
- DIN rail mountable

ETL 011 (DC)
Electronic Thermostat

- Large setting range
- Compact design
- Small hysteresis
- Optical function display
- Signal application

(972) 580-0200 or (888) 580-0202 • www.thermaledge.com • thermalinfo@thermaledge.com

Fan Heaters

HVL 031
100 - 400 W

- Compact size
- Flat design
- Built-in overheat protection
- 3-side DIN rail mountable

CSF 028
250 - 400 W

- Compact size
- Integrated pre-set thermostat
- Quiet operation
- Heating power adjusts to ambient temperature
- DIN rail or screw tab mount available

CS 028 / CSL 028
150 - 400 W

- Compact size
- Quiet operation
- Heating power adjusts to ambient temperature
- DIN rail or screw mount available

HGL 046
250 - 400 W

- Compact size
- Built-in overheat protection
- Long service life
- DIN rail mountable

CR 027
400 - 650 W

- Compact fan heater
- Heating power adjusts to ambient temperature
- Integrated adjustable thermostat
- Built-in overheat protection
- DIN rail mountable

HVI 030 W/O Fan
500 - 700 W

- Compact size
- Flat design
- Built-in overheat protection
- Twist clip or screw mountable
- End user must attach fan

HVI 030
500 - 700 W

- Compact size
- Flat design
- Built-in overheat protection
- Twist clip or screw mountable

CR 030
950 W

- Compact design
- Built-in overheat protection
- Integrated adjustable thermostat or fixed hygrostat
- Double-insulated plastic housing

CR 130
950 W

- Compact design
- Built-in overheat protection
- Integrated adjustable thermostat or fixed hygrostat
- Double-insulated plastic housing
- Panel or DIN rail mounting

CS 032/CSF 032
1000 W

- Compact design
- High heating performance
- Double-insulated plastic housing
- DIN or screw mount
- Integrated fixed thermostat (optional)

CS 030
1200 W

- Compact design
- Built-in overheat protection
- Integrated adjustable thermostat (optional)
- Double insulated plastic housing

CS 130
1200 W

- Compact design
- Built-in overheat protection
- Integrated adjustable thermostat (optional)
- Double insulated plastic housing
- Panel or DIN rail mounting

DCR 030
200 W - 800 W

- 24 VDC, 56 VDC
- Integrated adjustable thermostat or hygrostat
- Small hysteresis
- Integrated switch module
- Screw mounting
- Optical indicator (LED)

DCR 130
200 W - 800 W

- 24 VDC, 56 VDC
- Integrated adjustable thermostat or hygrostat
- Small hysteresis
- Integrated switch module
- Panel or DIN rail mounting
- Optical indicator (LED)

Hygrotherms

ETF 012
Electronic Hygrotherm

- Efficient temperature & humidity control
- Wide voltage range
- Operating temperature down to -40 °C
- High switching capacity
- DIN rail mountable

ETF 012 w/sensor
Electronic Hygrotherm with external sensor

- Efficient temperature & humidity control
- Wide voltage range
- Operating temperature down to -40 °C
- High switching capacity
- With external sensor

New Products

Thermal Edge Inc.™
MADE IN THE USA SINCE DAY ONE

LE 019
19" Fan Tray
286 - 1017 cfm
3, 6 and 9 fans

The LE 019 is a compact high performance fan tray for forced circulation of air in enclosures and for cooling of 19" rack mount applications. Natural convection is improved and the formation of hot zones is prevented. Also available with integrated thermostat (see photo).

- High air volume
- Long service life
- Easy installation and connection
- Function control light
- Optional integrated thermostat

DCT 010
Electronic Thermostat
20 VDC to 56 VDC

- High DC switching capacity
- Adjustable temperature
- Small hysteresis
- Optical operating display (LED)
- Integrated switch module
- Precise measurement via an external sensor

DCF 010
Electronic Hygrostat
20 VDC to 56 VDC

- High DC switching capacity
- Adjustable humidity
- Small hysteresis
- Optical operating display (LED)
- Integrated switch module
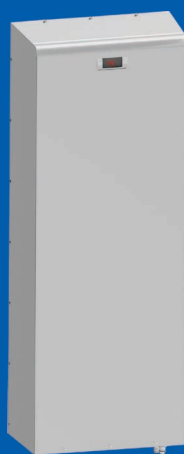- Precise measurement via an external sensor

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Enclosure Air Conditioners	**Air to Water Heat Exchangers**	**Air to Air Heat Exchangers**	**Plastic and Metal Filtered Fans**
1,000 - 20,000 BTUH	3,690 - 18,930 BTUH	12 - 40 Watts/°F	80 - 750 CFM

Thermal Edge air conditioners can be built to operate on the voltage and frequency available wherever you need them.

ISO 9001:2015 CERTIFIED COMPANY

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