

Modular Accessories for Raychem FlexiClic™ Systems

The components for the FlexiClic systems have been specifically designed to be:

- used with either system (FlexiClic FP or GM)
- innovative and easy to use
- compact and robust
- multi-functional to minimise inventory requirements
- ultra quick to install for labour cost savings

FlexiClic-Power Cable

- 1 m or 3 m modular power cable (including end seal)
- 3 x 2.5 mm² conductors
- 20 A capacity

FlexiClic FP heating unit

Modular heating cable for pipe frost protection
Available lengths: 1, 3, 5, 7, 15, 25 and 50 m
Max. circuit length: 100 m (16A circuit breaker)

FlexiClic GM heating unit

Modular heating cable for gutter frost protection
Available lengths: 1, 3, 5, 10, 15 and 20 m
Max. circuit length: 80 m (16A circuit breaker)

FlexiClic-CE

- Connection module including 2 end seals
- 1 input from a power cable or heating cable with up to 3 heating cable outputs
- Can be connected to another connection module to give up to 5 outputs

FlexiClic-E

- Multi-functional end seal for heating modules and connector units
- Provides circuit termination and ingress protection seal to both heating modules and connector unit

For more information, ask for our design guides: CDE-1275 (for pipes) or CDE-1278 (for gutters); or our technical data sheets: CDE-1272 (for gutters) or CDE-1269 (for pipes).

Also visit www.tycothermal.com

United Kingdom
Tyco Thermal Controls (UK) Ltd
3 Rutherford Road,
Stephenson Industrial Estate
Washington, Tyne & Wear
NE37 3HX
Free phone 0800 96 90 13
Free fax 0800 96 86 24
salesUK@tycothermal.com

Ireland
Free phone 1800 654 241
Free fax 1800 654 240
salesIE@tycothermal.com

European Headquarters
Tyco Thermal Controls
Romeinsestraat 14
3001 Leuven
Belgium



FlexiClic-Power Cable



FlexiClic FP Cable



FlexiClic GM Cable



FlexiClic-CE



FlexiClic-E

Raychem FlexiClic frost protection system keeps the water flowing and prevents fluids in pipes from freezing!

Insulation alone cannot fully protect pipes from freezing. When pipes are exposed to subzero temperatures they can burst, leading to considerable damage and disruption.



FlexiClic FP Frost protection of pipes

The Raychem self-regulating heating cable, combined with an adequate insulation and smart control units, prevents pipes from freezing.

Melting and refreezing of ice can damage roofs and gutters. Heavy icicles may fall and cause injury.



FlexiClic GM Frost protection of gutters

The Raychem self-regulating snow melting system maintains water flow in gutters and drain pipes.

FlexiClic™

An innovative time saver in modern building construction

Modular systems have become a value-added component of modern building construction. Project timetables are being squeezed ever tighter and installation times must be minimised to prevent project overruns. Furthermore, call-backs to site to correct installation errors can be costly as some systems, after installation, are not easily accessible. Therefore reliability and speed of installation are imperative.

An intuitive and reliable approach to heating cable connections

Whether for refurbishment, repair or new construction, the modular FlexiClic approach makes it easy to design, change and install a system to fit the requirements of most small and medium-sized projects.

FlexiClic™

An innovative, modular approach to frost protection of gutters and pipes

Raychem FlexiClic provides flexible, reliable, ultra quick and simple to install, self-regulating heat tracing-solutions for energy-efficiency and safe frost protection of gutters and pipes.

Increased reliability

The heating and power cable connections are factory-terminated and checked for additional reliability and peace of mind.

Faster installation

The Raychem FlexiClic systems have been designed for easy and fast installation. Installation times can be reduced by more than 50%. Simply install the heating cable and “click” the modules together. Can it be simpler or faster?

Flexible design

A Raychem FlexiClic system can be easily extended and configured to match the layout of the pipes or gutters. The system includes connection devices to provide 3, 4, and 5 way connections for total flexibility.

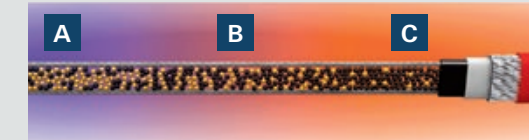
Raychem FlexiClic™

Combining self-regulating heating technology with innovative interconnection delivers the fastest possible frost protection of gutters and pipes.

Raychem FlexiClic benefits from the self-regulating heating technology

- **Safe:** self-regulating systems cannot overheat; even when the cables are crossed
- **Flexible during design and installation:** the system can be adjusted to the required length
- **Energy-saving:** self-regulating heating cable uses energy when and where required (see details below)

Self-regulating heating cables adjust their power output automatically!



A Cold ambient = High power output

If the temperature in the immediate vicinity of the self-regulating heating cable is cold, the heat output from the heating cable is increased. The polymeric core of the cable contracts, which creates many electrical paths across the integrated carbon particles.

B Warm ambient = Low power output

In response to a warmer environment, the heat output of the self-regulating cable is reduced. The polymeric core of the cable expands, reducing the electrical paths.

C Hot ambient = Virtually no output

If the temperature in the environment of the self-regulating heating cable reaches a high temperature, the heat output is minimal. Due to the maximum expansion of the polymeric core of the cable, most of the electrical paths are broken.

Raychem FlexiClic™ FP - modular system for frost protection of pipes



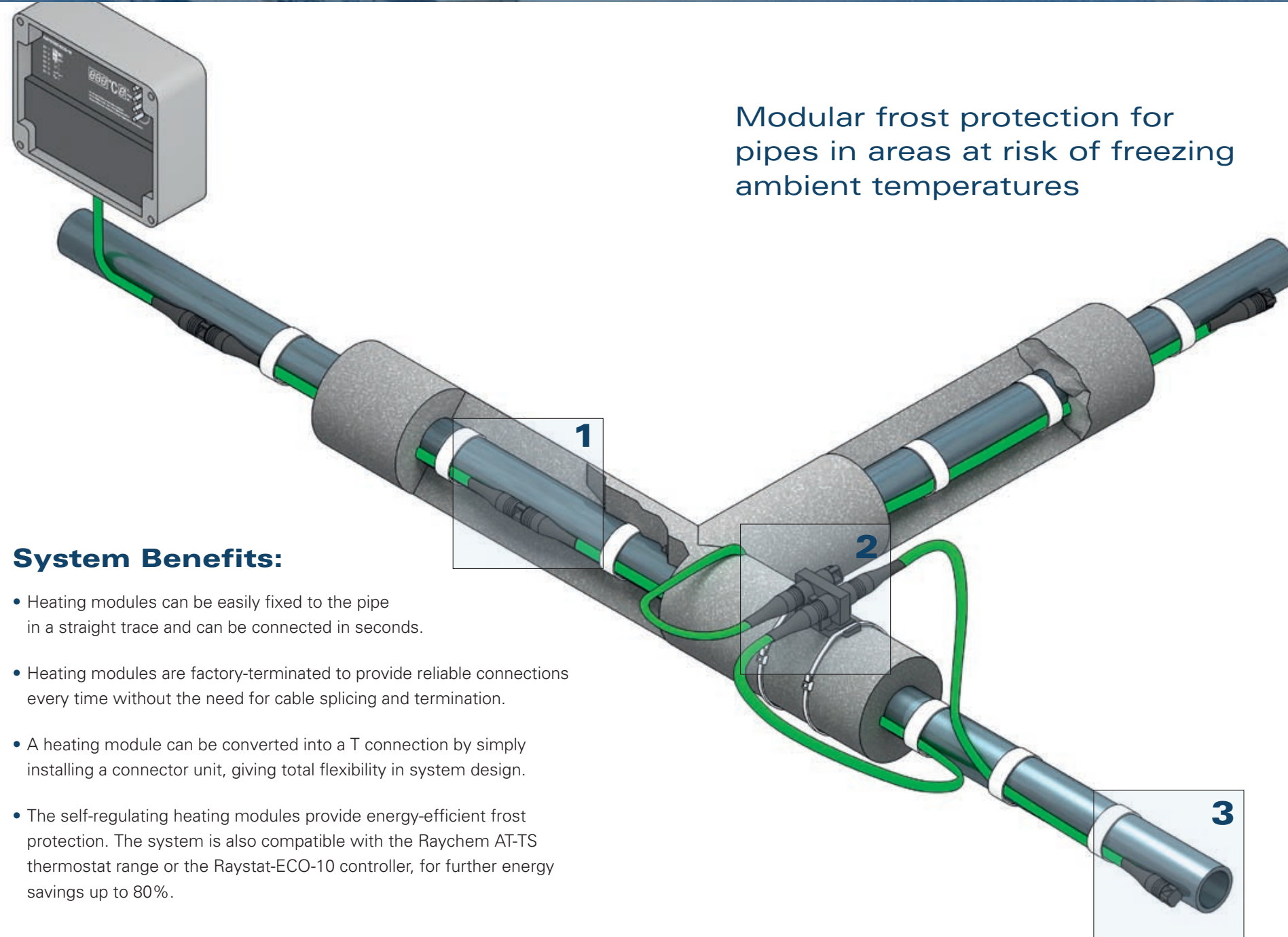
Raychem FlexiClic™

Combining self-regulating heating technology with innovative interconnection delivers the fastest possible frost protection of gutters and pipes.

System Benefits:

- Heating modules can be easily fixed to the pipe in a straight trace and can be connected in seconds.
- Heating modules are factory-terminated to provide reliable connections every time without the need for cable splicing and termination.
- A heating module can be converted into a T connection by simply installing a connector unit, giving total flexibility in system design.
- The self-regulating heating modules provide energy-efficient frost protection. The system is also compatible with the Raychem AT-TS thermostat range or the Raystat-ECO-10 controller, for further energy savings up to 80%.

Modular frost protection for pipes in areas at risk of freezing ambient temperatures



Raychem FlexiClic FP How does it work?



Connect power cable to heater



Connect power cable or heating module to connector unit to make T, or 3 output connection



Install an end seal and click in place



Raychem FlexiClic™ GM - modular system for frost protection of gutters

Modular system for snow and ice protection of gutters and downpipes

System Benefits:

- Heating modules can be easily fixed to the gutters and can be connected in seconds.
- Heating modules are factory-terminated to provide reliable connections everytime without the need for cable splicing and termination.
- All connections are IP66/68 rated for use in gutters and downpipes.
- The complete system is UV resistant.
- The self-regulating heating modules provide energy efficient tracing. The system is also compatible with the Raychem "Smart" controller, EMDR-10, for further energy savings up to 80%.

Raychem FlexiClic GM How does it work?



Connect power cable to heater



Connect power cable or heating module to connector unit to make T, or 3 output connection



Install an end seal and click in place

Raychem FlexiClic™

Combining self-regulating heating technology with innovative interconnection delivers the fastest possible frost protection of gutters and pipes.