



# ProMinder Advanced

## Monitored Thermal Protection for sprinkler pipework

- ✓ Designed to protect automatic fire sprinkler systems
- ✓ Full compliance with BS EN 12845:2004+A2:2009
- ✓ Constant Monitoring
- ✓ Notification of faults



- Integrates with existing Building Management Systems
- Sustainable and Energy Efficient
- Turbo Heat - Automatically compensates for extremes in temperature
- Primary and Secondary heating circuits within same cable

The ProMinder Advanced Heat System has been developed to provide a heating system with high reliability and built-in fault tolerance and monitoring as well as simplifying installation and maintenance for a range of applications including pipe frost protection.

The system has been designed specifically for the automatic fire sprinkler industry and to meet the requirements of BS EN 12845 section 11.1.2.2.

A range of eight cables provides frost protection for piping from 5m - 150m. The controller allows the heat output to be selected during installation of 10W/m, 15W/m and 20W/m. Automatic turbo heat provides a rapid heat-up and power boost in extreme cold environments.



Certificate No. 5169  
ISO 9001:2015



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## Monitored Thermal Protection for sprinkler pipework

### Benefits

- Monitors heating cable 24/7 365 days a year
- Full compliance with BS EN 12845:2004+A2:2009 Section 11.1.2.2
- Quickly test integrity of each circuit
- Checks both heater circuits every minute
- Notification of Faults
- Fewer joints in cable installation reduces points of failure and install time

### Features:

- Patent Protected
- Simple to install
- 8 colour coded wires to cover piping between 5m 150m
- Fully earthed protected cable for maximum safety
- IPX7 rated cable
- IP65 rated controller
- Fault output for connection to BMS/SCADA system
- TURBO Heat
- Sustainable and energy efficient
- Primary and secondary heater circuit within one wire
- Automatic switchover if one heater circuit fails
- M2M capable



### Cables range

Heater Wire	Length of piping (m)	
	From	To
 <b>1</b>	5	9
 <b>2</b>	9	15
 <b>3</b>	15	25
 <b>4</b>	25	42.5
 <b>5</b>	42.5	60
 <b>6</b>	60	92
 <b>7</b>	92	120
 <b>8</b>	120	150

### Technical data

Dimensions (controller)	182mm(W) x 180mm(H) x 90mm(D)
Construction (wire)	Tricore heating element with integral earth cover
Insulation	Double insulated
Voltage	220 - 264VAC 50Hz
Approvals	CE Marked, RoHS Compliant
Wire Overall Diameter	6.35mm ±0.2mm
Minimum Bend Radius	25mm
Power Range	100W – 3000W (10W/m, 15W/m, 20W/m)
IP Rating (wire)	IPX7
IP Rating (controller)	IP65

### Construction (wire)

Thermal Conductor	3x 105°C rated tough polymer insulated resistance wires
Outer Insulation	Ultra tough polymer protective coating
Earth Protection	24x ø0.2mm low resistance alloy & 100% coverage polyester backed aluminium foil



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