

## DET8M

### Wireless Flood Detector and Temperature Sensor

Intrusion is not the only risk that commercial & residential sites face. Flooding can severely damage property and generate high costs for both the end user and the insurance company. Temperature changes can also have significant consequences for example in food retail stores.

DET8M is a versatile wireless device that can be configured to operate as a standalone temperature sensor and/or a remote temperature sensor, or a flood detector.

The DET8M offers a real advantage as it will detect flooding and allows a signal to be transmitted from the panel to the monitoring station to enable a fast reaction to these business threats.

This sensor offers both internal and external detection using remote temperature and flood probes (T280R and FP280). Flood probes can be installed in areas where flood can occur (near a washing machine for example). The DET8M will trigger an alarm at the early stage of the flood, allowing the monitoring station to take all steps to stop it before severe damages occur and save the end user significant expenses and inconvenience.

The temperature probe allows for temperature detection even inside a refrigerator or a freezer. This makes it ideal for businesses such as restaurants, retail distribution centres, butcher shops and medical sites or any other commercial or industrial premises where temperature fluctuations need to be controlled.

The DET8M provides the opportunity to offer flood or temperature monitoring and intervention services, therefore attracting new customers and opens up new revenue streams in remote monitoring as it is a new service that can be offered to end users and a new opportunity for the Alarm Receiving Centre (ARC).

Its wireless capabilities allow for easy installation and practicality in every environment ensuring high customisation according to the business requirement or end user instructions.



Now you can expand your business opportunities as the DET8M wireless technology is part of a powerful commercial solution, offering both time and cost savings. It is suitable for a wide range of installations, including residential environments where security and practicality are real assets for the end-user.

**For more information on why Honeywell's wireless solutions are the right choice for you, please visit: [www.honeywell.com/security/uk](http://www.honeywell.com/security/uk)**

## FEATURES

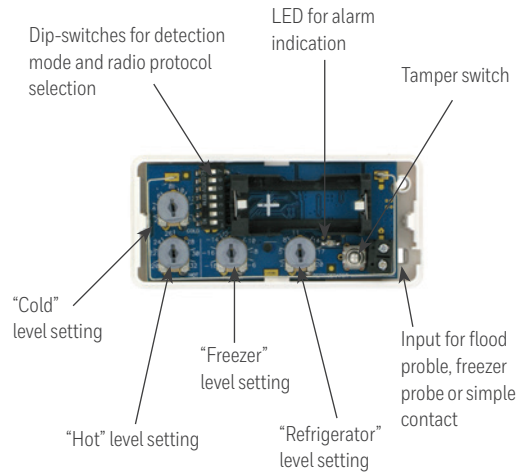
- Flood detection: External probe (FP280) is easy to install with 5m of cable for maximum flexibility.
- Temperature detection: The sensor itself detects two ambient temperatures, with selectable cold and hot ranges.
- Freezer and refrigeration: T280R probe with two options and a wide selectable temperature range.
- Five selectable temperature ranges: A choice of installation solutions with easily selectable temperature ranges (hot, warm, cold, refrigerate and freeze) covering a large range of applications, reducing installation time.
- Intrusion detection: a wired, normally closed, contact can be connected to the DET8M to avoid a long distance or cabling issues.
- Reliability: Long battery life up to 7 years.
- Reliability and practicality: With patented 'Agile Routing', the system works with RF portals to reinforce the reliability of the security system. The sensor will automatically find the strongest bi-directional signal path and will continue to communicate until it gets an acknowledgment.
- Compatible with commercial and residential Honeywell panels: Thanks to the dual protocols ALPHA and V2GY, the wireless flood and temperature sensor is compatible with the Galaxy Dimension and Flex wireless solutions, the updated G2, Domoial and Vista panels.

# DET8M Wireless Flood Detector and Temperature Sensor

SPECIFICATIONS		
<b>Detection</b>	Temperature sensor (built-in)	Cold: 8°C (adjustable from 2°C to 14°C) Hot: 26°C (adjustable from 20°C to 32°C) Alarm signalling within 10 minutes
	Flood probe (one FP280 supplied)	Alarm signalling within 60 seconds Cable 3m
	Temperature external probe (T280R optional)	Freezer: -12°C (adjustable from -18°C to -6°C) Refrigerator: 11°C (adjustable from 2°C to 20°C) Alarm signalling within 10 minutes Cable 3m
	Precision range	+/- 1.75°C
	Intrusion	By external contact (Normally closed) and 10kOhm resistor (100m max)
<b>Power</b>	Battery	LI03V (x1) – supplied
	Battery life	V2GY mode: 6 years ALPHA mode: 7 years
<b>Radio</b>	RF frequency	868 MHz
	RF Type	Narrow Band, FM
	RF Range, Unobstructed	2000m
<b>Compatibility</b>	Galaxy	G2 <sup>(1)</sup> , Galaxy Dimension <sup>(2)</sup> and Flex with C079-2 wireless receiver
	Domonial <sup>(3)</sup>	All 868MHz versions
	Vista	Vista with 5882EUHS wireless receiver
<b>Timings</b>	Supervision time	V2GY mode: each 9 minutes ALPHA mode: each 18 minutes
<b>Mechanics</b>	Tamper	Front cover and wall mounting
	Dimensions (h x w x d)	890 x 400 x 300 mm
	Weight without batteries	55g
	Operating temperature	-10°C to 40°C
	Storage temperature	-20°C to 55°C
Relative humidity	No condensation – 0 to 95%	
<b>Approvals</b>	CE; EN50131-1, Security Grade 2, Environmental Class II	

**NOTES:**

- (1) Valid for G2 panel firmware from version V1.5 onwards.
- (2) Valid for Galaxy Dimension panel firmware from version V6.5 onwards.
- (3) Valid for Domonial panel firmware from version lxx onwards.



ORDERING REFERENCES		
DET8M		Wireless flood detector and temperature sensor
T280R		External probe for freezer and refrigeration monitoring
FP280		External probe for flood sensing
LI03V		Replacement battery

	HOT	COLD	FREEZER	REFRIGERATOR	FLOOD	INTRUDER
HOT		✓	✓	✓	✓	✓
COLD	✓		✓	✓	✓	✓
FREEZER	✓	✓		✓	✗	✗
REFRIGERATOR	✓	✓	✓		✗	✗
FLOOD	✓	✓	✗	✗		✗
INTRUDER	✓	✓	✗	✗	✗	

External sensor types include: one T280R Temperature Probe (to monitor either a refrigerator or freezer), or FP280 Flood Probes (up to four in parallel), or intrusion detectors (magnetic contact in series)

**For more information**

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