Smoke Alarm

10 Year Lithium Cell Powered

RadioLINK *PROFESSIONAL* Communication Capability

Model Ei 605TYC Optical

- **10 Year Lithium cell will outlast the useful lifespan of the alarm**
- **EN 14604:2005 3rd party approved**
- **Interconnect up to 12 battery powered alarms**
- **Optional upgrade to RadioLINK interconnect**
- **Early detection to all standard domestic fires types**
- **Built-in high audibility warning sounder**
- **Large Easy to use Test/Hush button**
- **Hush Feature allows false alarm control**
- **Easy to install twist-on base design**
- **Aesthetically pleasing, compact design**
- **Innovative and robust optical chamber design**
- **5 year Guarantee**

Product Description

The Ei605TYC is an Optical Smoke Alarm using the light scatter principle, giving a quick response to all standard domestic fire types.

There is no requirement to replace cells as the Lithium cells will power the alarm for more than 10 years. The non replaceable cell and tamperproof design limits the possibility of the alarm being disabled.

The Ei605TYC is designed for simple installation, commissioning and maintenance

The Ei605TYC has a large, easy to use, combined Test/Hush button enables full testing of the alarm and the ability to silence false alarms.

The Ei605TYC has an innovative high performance optical chamber with integral fixed insect screen reducing the possibility of false alarms.

The Ei605TYC maybe hardwire interconnected to twelve battery powered alarms enabling all alarms to sound if just one of the interconnected alarms should be triggered.

The Ei605TYC modular design allows it to be upgraded for RadioLINK functionality with the addition of the Ei605MTYRF Radio frequency module.

Operation

- The smoke detector will activate the built in sounder upon sensing smoke particles. It will automatically reset and silence the alarm when the smoke particles are no longer present in the chamber.

- The red indicating LED will flash once every 40 seconds to show that the alarm is powered and it has performed an automatic self-test.

- The built in sounder will provide a minimum sound output of 85dB at 3m.

- Pressing and holding the "Test/Hush" button will perform a self test and sound the horn – checking the chamber, electronics and horn.

- Momentarily pressing the "Test/Hush" button when an alarm is sounding will set the alarm into "HUSH" mode. This reduces the sensitivity for a period of 10 minutes, after which the alarm automatically resets – providing control over false alarms.

- The alarm is not powered until it is connected to the twist on base, thus avoiding battery power consumption during storage and prior to installation.

Ei Electronics® fire + gas detection

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Technical Specification

Sensor:	Optical, uses light scatter from smoke particles	**Alarm:**	Piezoelectric-horn (built-in)
		Alarm Sound Output:	85dB (minimum) at 3m
Sensitivity:	Complies with the requirements of BS EN 14604: 2005	**Temperature Range:**	0 to 40°C
Airspeed:	Essentially immune to the effect of airspeed.	**Humidity Range:** non condensing	15% to 95% Relative Humidity –
Button Test:	Simulates the effect of smoke to check the chamber, electronics and horn.	**Interconnect:**	Hardwire interconnect up to 12 battery powered alarms. A combination of up to 12 battery and Mains powered alarms maybe RadioLINK interconnected.
Hush:	Silences nuisance alarm. Automatically resets after approximately 10 minutes.	**Fixing:**	Screw fixings supplied
Supply Voltage:	10 Year Lithium Cells with 2,000mAh capacity.	**Dimensions:**	115mm (diameter) x 45mm (height)
Power-On Indicator:	Red LED flashes through cover every 40 seconds	**Weight:**	200 grams
		Warranty:	5 year (limited) warranty
		Approvals:	VdS approved to BS EN14604:2005, CE approved, Manufactured to ISO 9001:2000 quality standards.

Specifications are subject to change

Installation & Placement

DEAD AIR SPACES — IDEAL IN CENTRE OF CEILING — NEVER WITHIN 300mm OF ANY WALL / CORNER

Alarms should be placed in accordance with the general guidelines shown in the diagram above. These recommendations are based on the problem of areas of "dead air" close to corners of rooms and apexes of ceilings, which could result in the prevention of smoke reaching the smoke detector

Please consult the Instruction Leaflet supplied with the Ei605TYC for detailed instructions as to how to correctly install and position the smoke detector

Important Precaution:
Do not install the actual smoke/heat alarm itself in new or renovated buildings until all work is completed (including floor coverings) and the building has been fully cleaned. (Excessive dust and debris from building work can contaminate the smoke chamber and cause problems, and it will also invalidate the guarantee). If it must be installed, cover it completely, particularly around the edges, with a dust cover (eg. a plastic bag), until all cleaning is finished..

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