



## Preventive Maintenance Inspection

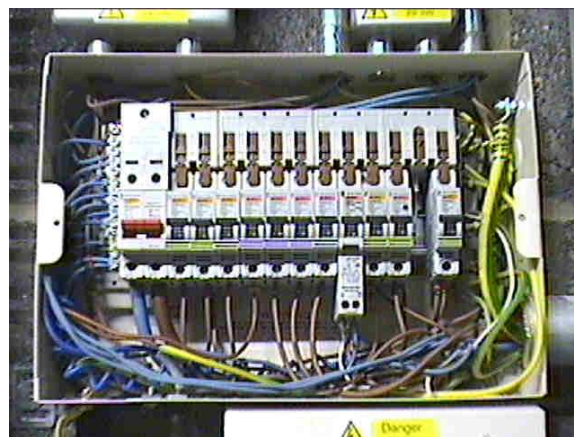
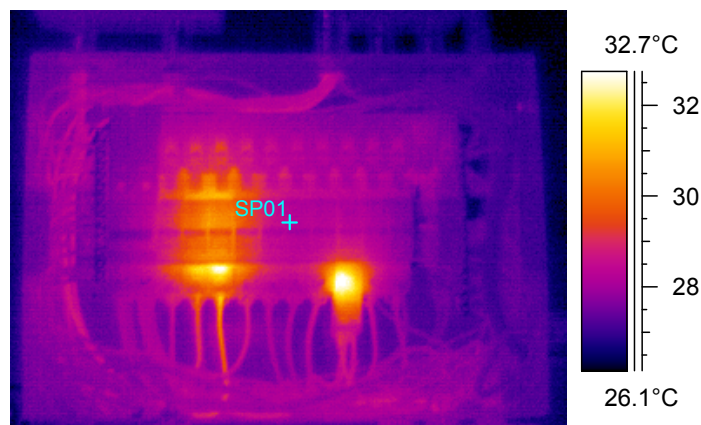
*Date:*

11/07/2008

This report was prepared by TS Thermal Survey Ltd using a  
Flir PM675 ThermaCam.

TS Thermal Survey Ltd  
Tel. 0871 0500 279  
Fax. 0870 7202 396  
Web: [www.thermalsurvey.co.uk](http://www.thermalsurvey.co.uk)  
Email: [info@thermalsurvey.co.uk](mailto:info@thermalsurvey.co.uk)

File name	Time	Date
<b>I0512-49.img</b>	14:32:49	12/05/2008



IR Text Comment	Value
Section	Room
Equipment	
Additional information	
Fault	
Recommendation	No action

Object parameter	Value	
Emissivity	0.95	-
Ambient temperature	18.0°C	-
Reference temperature	*	-
Label	Value	Diff temperature
IR : max	33.1°C	-
IR : min	25.8°C	-
SP01	28.5°C	*

## Identification:

Car park lighting distribution panel, 4th floor

## Comments:

Right hand hot spot is an energised contactor, and does not indicate a fault. Left hot spot indicates a poor connection, which appears to be due to pinched wire insulation. Urgent attention is required to rectify this fault.

File name

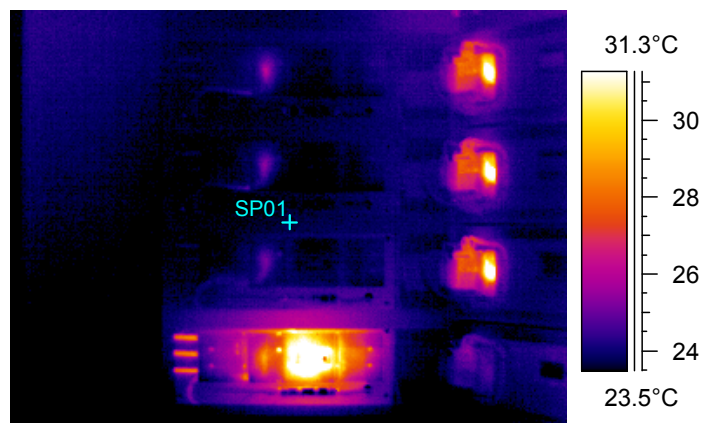
Time

Date

**I0509112.img**

12:50:46

09/05/2008



IR Text Comment	Value
Section	Room
Equipment	
Additional information	
Fault	
Recommendation	No action

Object parameter	Value	
Emissivity	0.95	-
Ambient temperature	18.0°C	-
Reference temperature	*	-
Label	Value	Diff temperature
IR : max	36.4°C	-
IR : min	21.2°C	-
SP01	23.8°C	*

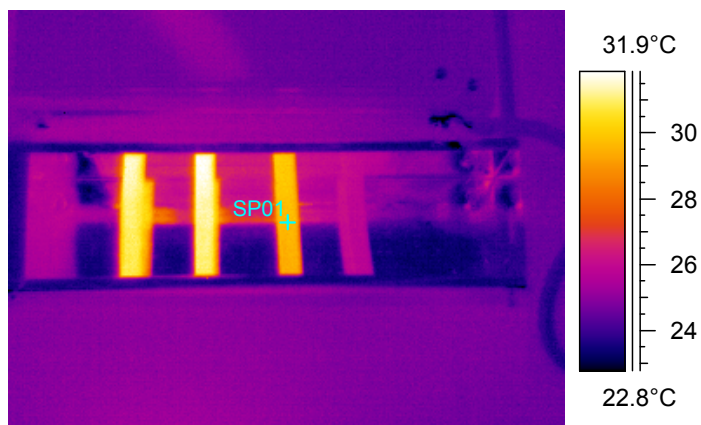
## Identification:

Plant room, Main power switches

## Comments:

The lower panel indicates considerable loading. Further investigation shows that this circuit covers the fire sprinkler pumps, which should not have been running at the time. The cause of this requires investigation.

File name	Time	Date
<b>I0509-27.img</b>	09:35:56	09/05/2008



IR Text Comment	Value
Section	Room
Equipment	
Additional information	
Fault	
Recommendation	No action

Object parameter	Value	
Emissivity	0.95	-
Ambient temperature	18.0°C	-
Reference temperature	*	-
Label	Value	Diff temperature
IR : max	32.0°C	-
IR : min	22.1°C	-
SP01	29.6°C	*

## Identification:

Plant room, Main incoming 3 phase supply

## Comments:

Mild phase imbalance - checked with a clamp meter and found to be variation from 149-165 Amps between conductors.

File name

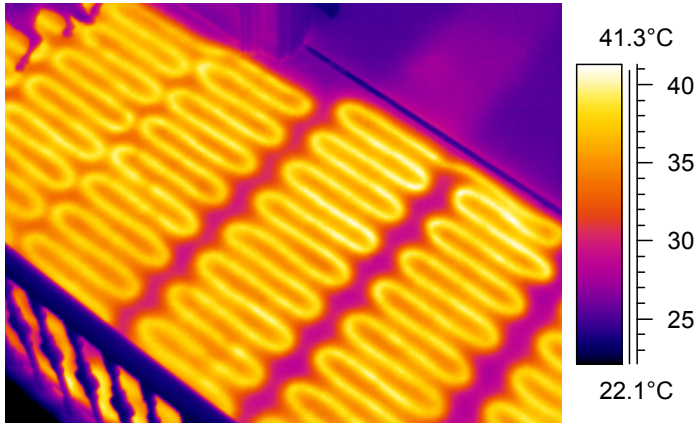
Time

Date

**I0403147.img**

12:27:49

03/04/2008



IR Text Comment	Value
Section	Room
Equipment	
Additional information	
Fault	
Recommendation	No action

Object parameter	Value	
Emissivity	0.95	-
Ambient temperature	18.0°C	-
Reference temperature	*	-
Label	Value	Diff temperature
IR : max	41.3°C	-
IR : min	20.2°C	-

## Identification:

Electrical underfloor heating elements on a 1st floor landing

## Comments:

No fault found - matting has been laid correctly.



## Summary of inspection

This sample report contains examples of several common types of electrical inspection. The format is typical, and the examples include:

1. Pinched insulation in a terminal connection on a small distribution panel. This requires urgent attention.
2. A heavily loaded switch. This was indicative of an issue elsewhere on the circuit causing the heavy current draw. Further investigation was needed to indicate why the circuit was in use.
3. Phase imbalance on a 3 phase supply, requiring further investigation.
4. Underfloor electrical heating, working correctly.