



ENGINEERING NOTES

All exposed insulated pipes shall be fitted with an energy efficient, self regulating, trace heating system, known as Raychem WinterGard

Interconnection and termination shall be with cold applied, insulation displacement type connectors and gel type end seals, known as Raycluc

The trace heating circuits shall be controlled by an energy efficient, proportional ambient sensing thermostat (PASC), known as Raystat-Eco-10.

LPHW or fatty waste services shall be controlled by a line sensing thermostat, known as Raystat-Control-10.

The system shall be dual traced for redundant circuit protection as per the requirements of BS EN 12845:2008.

The WinterGard circuits shall be controlled and monitored via the multi circuit control panel, SBS-XX-SV, by Pentair Thermal Management, with integrated circuit protection.

The self regulating heating cables shall be installed 'straight traced', insulated, tested and commissioned strictly in accordance with the WinterGard design guide, preferably by a specialist installer named by them.

MATERIALS

QTY	PCN	ITEM
1	355825-000	SBS-03-SV
422	277783-000	FS-A-2X
6	235422-000	RAYCLUC-CE-02
20	441524-000	RAYCLUC-T-02
9	C77220-000	GT-86
60	938947-000	LAB-I-01

PENTAIR THERMAL MANAGEMENT
 United Kingdom
 Tel: 0800 969 013
 Fax: 0800 968 624
 salesthermaluk@pentair.com



CONFIDENTIAL
 THIS DRAWING AND THE INFORMATION SET FORTH HEREIN ARE THE PROPERTY OF TYCO THERMAL CONTROLS LIMITED AND REPRESENT INFORMATION THAT IS OF A CONFIDENTIAL NATURE. ACCORDINGLY THEY ARE TO BE HELD STRICTLY IN CONFIDENCE BY ANY PERSON RECEIVING THE SAME. ENCLOSURE, PUBLICATION, DUPLICATION OR USE THEREOF FOR ANY PURPOSE NOT EXPRESSLY AUTHORIZED IN WRITING BY PENTAIR THERMAL MANAGEMENT, LIMITED IS PROHIBITED. PENTAIR THERMAL MANAGEMENT LIMITED SHALL HAVE NO RESPONSIBILITY FOR THE UNAUTHORIZED USE OF THE DRAWING OR INFORMATION SET FORTH HEREIN.

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN mm
 X: 405
 Y: 4010
 Z: 4010
 DEGREES: 4015

DRAWN neilmurch DATE 06/04/2010
 CHECKED DATE
 APPROVED DATE N/A

PENTAIR THERMAL MANAGEMENT

TITLE SHEET 1 OF 1
 CHILLED WATER PIPE FROST PROTECTION

REVISION 1

ORIGINAL: A3
 SCALE: NTS
 DRAWING NUMBER
 STATUS