






Heat losses in W/m, pipe 55°C in 18°C ambient.

 not recommended
 recommended
 possible

For other thermal conductivity insulation materials, contact your Pentair representative.

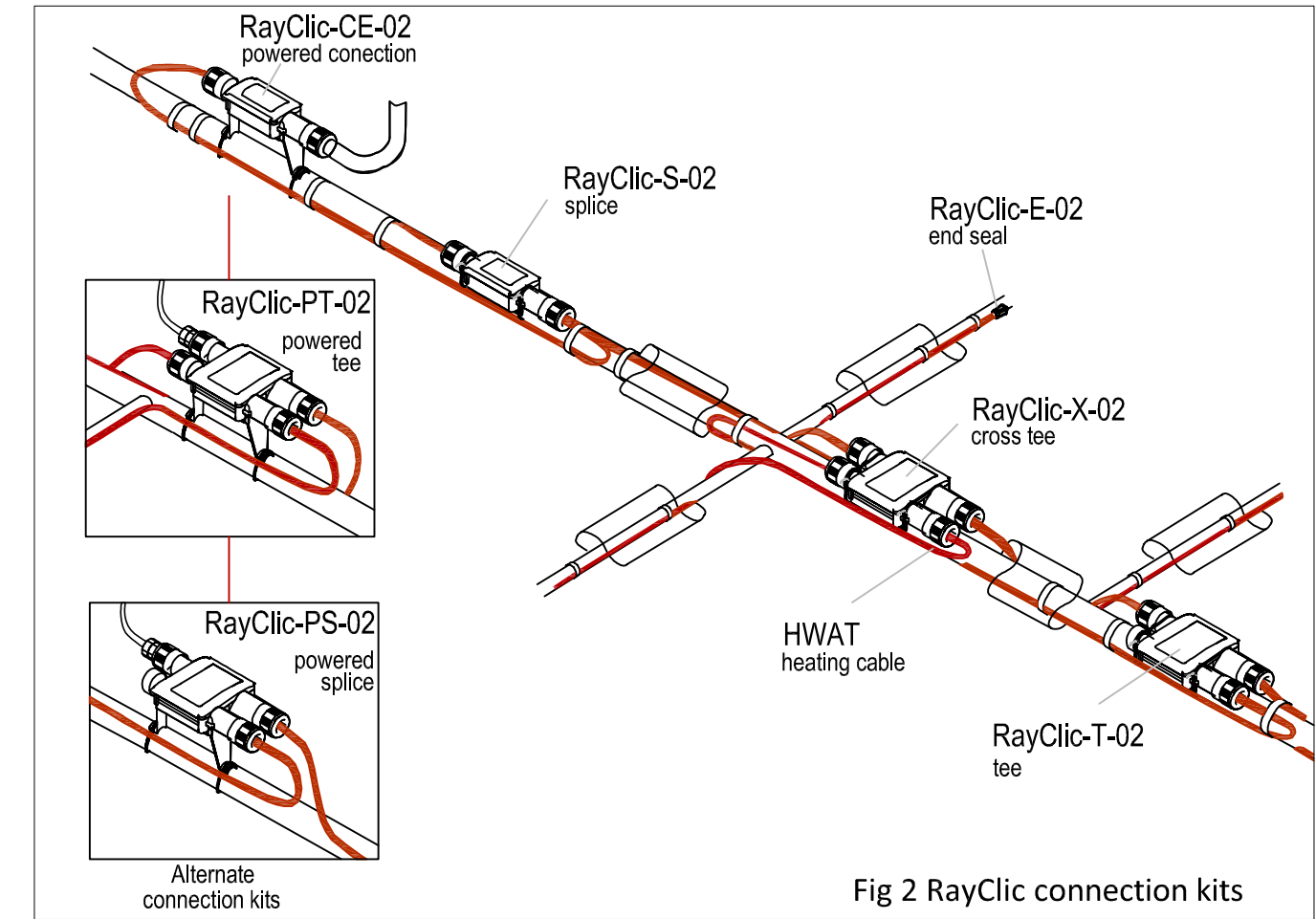
Heat losses in W/m, pipe 55°C in 5°C ambient

 not recommended
 recommended
 possible

Maximum Allowable Circuit Length [m]
assumes minimum start-up
temperature of +12°C, 230VAC

Circuit Breaker Size [Amps]	Maximum Circuit Length [m]
10	50
13	65
16	80
20	100

Circuit Number	PC Location	Operating Temperature [°C]	Estimated Length [m]	Circuit Breaker [A]	Max. CT. Length [m]	Notes
1	Outside Room XXX	60	XXX	20	100	Serving Kitchen Tee located in hallway
2	Outside Room XXX	55	XXX	20	100	Serving A wing 1st floor end at sink B3
3	Outside Room XXX	55	XXX	20	100	Serving A wing 1st floor
4	Outside Room XXX	55	XXX	20	100	Serving A wing 1st floor
5	XXX	XXX	XXX	20	100	SPARE



All connections between the electrical supply, control panel and self-regulating temperature maintenance cable circuits shall be installed by an approved electrical contractor and protected by MCB (BS EN 60898 type C or D) and RCD (30 mA sensitivity, tripping within 100ms).

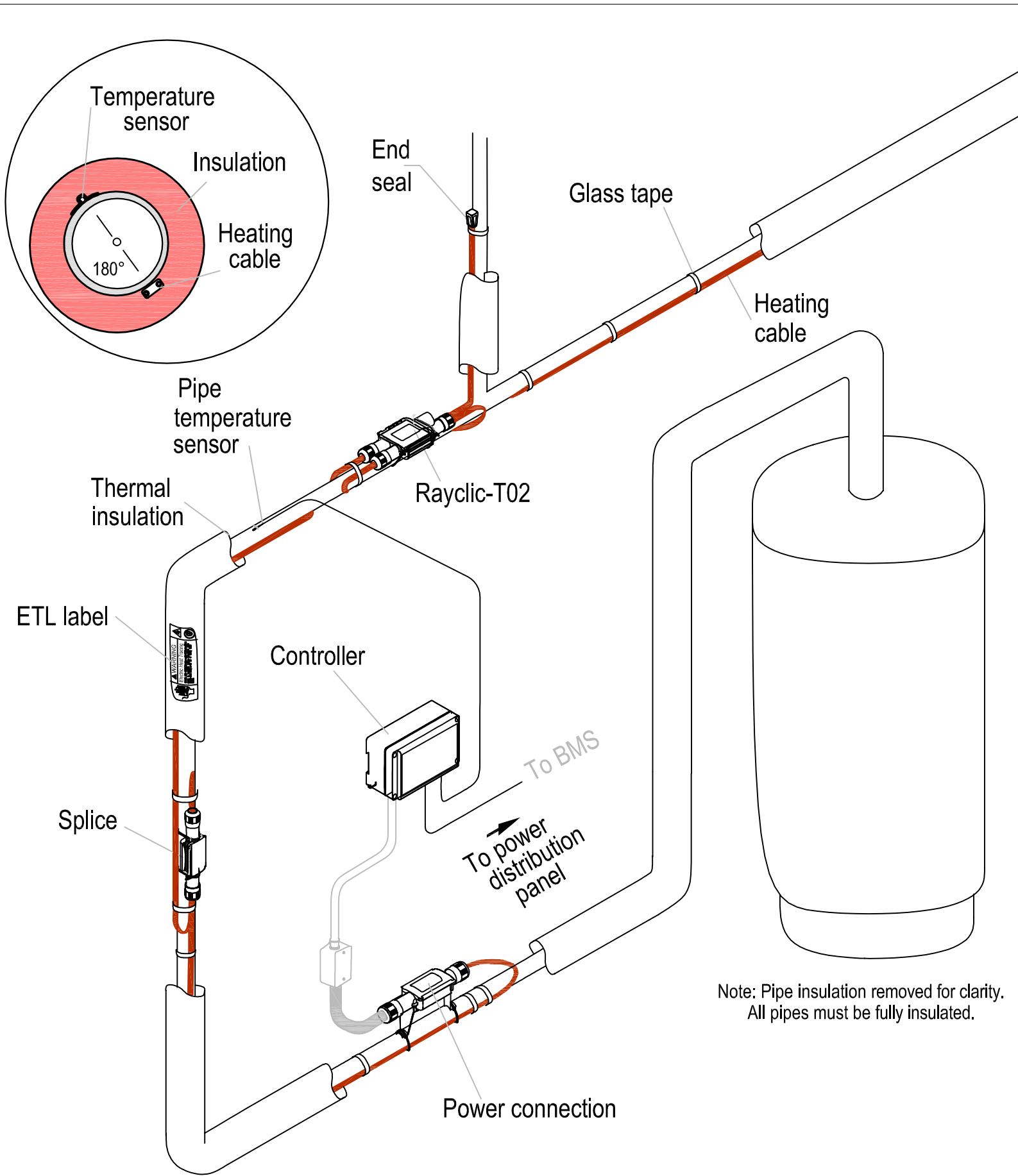


Fig 1 HWAT heating cable system

NOTES						
1. All dimensions to be checked on site 2. For HWAT installation instructions please consult installation manual IM-INST293 3. For HWAT ECO installation instructions please consult manual IM-INST189 4. For Rayclis installation instructions please consult manual IM-INST168						
REFERENCE DRAWINGS						
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00	25/04/2016	ISSUED FOR SAMPLE PURPOSES ONLY	MG	MG	HK	NW
REV	DATE	DESCRIPTION	CAD	DES	CHK	APP

PENTAIR

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PROJECT:

TYPICAL SCHEMATIC LAYOUT HWAT with HWAT ECO Controller

LANGUAGE	DRAWING TITLE:				
en	Heating Cable System Layout				
SCALE	CLIENT DOCUMENT CODE.	CLIENT DRAWING NO.			
NTS	-	-			
SIZE	PTM PROJECT NO.	PTM DRAWING NO.	SHEET No.	REV.	
A2	P.XX.16xxxx	DD01_1001	1 of 1	00	