

Appendix H: FM Required Installation Record for Class I, Division 1 Hazardous Locations

To complete the FM approval process, this complete form must be returned to the Tyco Thermal Controls Customer Service Center, fax number (800) 527-5703.

Company Name	Purchase Order Number	Reference Drawing(s)
Circuit ID No.	Test value/remarks	Date
Area	Initials	
Autoignition temperature (AIT)		
Group classification		
Heater circuit		
Heater type		
Supply voltage		
Circuit length		
Maximum pipe temperature		
Heat temperature identification number (T-rating)		
Components		
Power connection		
End seal		
Tee connection		
Splice		
Ground-fault equipment protection		
Make and model		
Ground-fault equipment protection device trip level (mA)		
Installation instructions		
Correct components per manufacturer's specification		
Seal fittings opened and inspected (properly poured)		
Ground-leakage device tested		
Insulation resistance testing		
Minimum voltage requirements per IEEE 515 is 500 Vdc. Tyco Thermal Controls recommends 2500 Vdc for self-regulating cables.		
Instrument used		
Calibration date		
As measured on the pipe before insulation is installed*		
Insulation resistance between core and braid (Test A)		_____
Insulation resistance between braid and pipe (Test B)		_____
As measured after insulation is installed*		
Insulation resistance between core and braid (Test A)		_____
Insulation resistance between braid and pipe (Test B)		_____
* Minimum insulation resistance per IEEE 515 is 20 M Ω . Tyco Thermal Controls recommends 1000 M Ω (for clean, dry self-regulating cables). Refer to the appropriate Installation and Maintenance manual for details.		
Circuit Ready to Commission		
Prepared by	Company	Date
Approved by	Company	Date