5.3 Mounting and Operating the HPM in a Division 2 Location

Factory Mutual approval

Many of the devices in a High-Performance Process Manager subsystem have been examined and certified by Factory Mutual (FM) as safe for mounting in Class 1, Division 2 locations. Certain other devices such as a Field Termination Assembly (FTA) that contains unsealed relay contacts is not approved for these applications. Table 5-2 is a list of the approved devices. When an HPM cabinet is intended to be mounted in a Division 2 location, it must be contain only the approved devices. A label that displays the FM logo is attached to the cabinet.

HPM placement considerations

The considerations for High-Performance Process Manager placement are

- Use only those High-Performance Process Manager assemblies that have been certified for safe usage in Division 2 locations, or
- Locate the High-Performance Process Manager in a nonhazardous area, or
- Purge the High-Performance Process Manager enclosure or the High-Performance Process Manager area of gasses or vapors.

HPM placement publications

In the USA, the Division 2 or nonhazardous area for placing High-Performance Process Manager enclosures can be selected by using publications such as the National Fire Protection Agency (NFPA) publication *#497, Classification of Class I Hazardous Locations for Electrical Installations in Chemical Plants*. Should no Division 2 or nonhazardous area exist, purged/pressurized enclosures or buildings are needed. Suitable purge techniques are described in local electrical code documents such as the NFPA *#496, Purged and Pressurized Enclosures for Electrical Equipment.*

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5.3 Mounting and Operating the HPM in a Division 2 Location, Continued

Approved Division 2 area equipment

Table 5-2 lists the High-Performance Process Manager equipment that is approved for operation in Division 2 areas.

Table 5-2 HPM Equipment Approved for Use in a Division 2 Area

Model Number	Description
IOPs	
MU-PAIH03	High Level Analog Input (HLAI)
MU-PAIL02	Low level Analog Input (LLAI)
MU-PAOX03	Analog Output (AO)
MU-PAOY22	Analog Output (AO)
MU-PDIS12	Digital Input Sequence of Events (DI)
MU-PDIX02	Digital Input (DI)
MU-PDIY22	Digital Input (DI)
MU-PDOX02	Digital Output (DO)
MU-PDOY22	Digital Output (DO)
MU-PLAM02	Low Level Multiplexer (LLMux)
MU-PRHM01	Remote Hardened Low Level Multiplexer (RHMUX)
MU-PPIX02	Pulse Input (PI)
MU-PSDX02	Serial Device Interface (SDI)
MU-PSIM11	Serial Interface (SI)
MU-PSTX03	Smart Transmitter Interface (STIM)

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