

## 9. Spare Parts

### 9.1 Overview

#### Introduction

The parts listed in the following tables are periodic maintenance items and Optimum Replaceable Units (ORU) for the High-Performance Process Manager (HPM). All the listed parts reference the Honeywell part number. For additional or optional equipment part numbers not listed, contact your Honeywell Sales Representative.

### 9.2 Periodic Maintenance Parts

#### Periodic maintenance parts list

Table 87 HPM Periodic Maintenance Parts lists items that may be required during the life of the High-Performance Process Manager.

**Table 87 HPM Periodic Maintenance Parts**

Name	Description		Part Number
<b>BATTERIES</b>			
NiCad Rechargeable Batteries	One AA-size NiCad battery		51190422-100
	One C-size NiCad battery		51192060-100
Alkaline Batteries	One AA-size Alkaline battery		51190467-100
<b>FUSES</b>			
<u>Assembly</u>	<u>Quantity</u>	<u>Description</u>	
Left 7-Slot Card File (51401626)	8	2.0 A Subminiature fuse (F1-8)	30754661-021
Right 7-Slot Card File (51401629)	8	2.0 A Subminiature fuse (F1-8)	30754661-021
15-Slot Card File (51401629)	16	2.0 A Subminiature fuse (F1-16)	30754661-021
IOP Card File (51402599)	15	2.0 A Subminiature fuse (F1-15)	30754661-021
	1	0.5 A Subminiature fuse (F16)	30754661-014
3-30 Vdc SS DO FTA (51304423)	16	5.0 A Time-delay fuse 5 x 20 mm	51190584-250
3-30 Vdc SS DO FTA (51304650, 51309153)	16	2.5 A Time-delay fuse 5 x 20 mm	51190584-225
31-200 Vdc SS DO FTA (51304428, 51309154)	16	1.0 A Time-delay fuse 5 x 20 mm	51190584-210
24-240 Vac SS DO FTA (51304408)	16	3.0 A Time-delay fuse 5 x 20 mm	51190584-230
120/240 Vac SS DO FTA (51304648)	16	2.5 A Time-delay fuse 5 x 20 mm	51190584-225
120 Vac Relay DO FTA (51304443, 51309148)	16	6.0 A Time-delay fuse 5 x 20 mm	51190584-260
240 Vac Relay DO FTA (51304427, 51309150)	16	3.0 A Time-delay fuse 5 x 20 mm	51190584-230

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### 9.2 Periodic Maintenance Parts

**Table 88 Non-Conformally Coated HPM ORU Parts List**

Name	Description	Part Number
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac dual PSMs	51401135-300
AC/DC Distribution Assembly	AC Only power control and distribution board 230 Vac single PSM	51401135-400
CMOS Battery Backup Assembly	PM/APM PS Charger/monitor for CMOS memory	51303968-100
	HPM PS Charger/monitor for CMOS memory	51309206-100
<b>HPMM CARDS/MODULE</b>		
High-Performance Comm/Control	HPMM Communications/Control card	51401635-100 (obsolete) 51403988-150
High-Performance I/O Link	HPMM I/O Link Interface card	51309276-150 51307190-150
HPM UCN Interface	HPMM UCN Interface module	51402573-100 (obsolete) 51402573-250 (obsolete) 51402573-450
<b>IOP CARDS</b>		
HLAI IOP (MU-PAIH02)	High Level Analog Input card (Replaced by 51304754-100)	51304489-100
HLAI IOP (MU-PAIH03)	High Level Analog Input card	51304754-100
LLAI IOP (MU-PAIL02)	Low Level Analog Input card	51304481-100
LLMux IOP (MU-PLAM02)	Low Level Multiplexer card	51304362-100
RHMUX (MU-PRHM01)	Remote Hardened Low Level Multiplexer card	51404109-125
DI IOP (MU-PDIX02)	Digital Input card	51304485-100
DI IOP (MU-PDIY22)	Digital Input card	80363972-100
AO IOP (MU-PAOX02)	Analog Output	51304483-100
AO IOP (MU-PAOX03)	Analog Output card (Replaced by 51309152-175)	51304672-100
AO IOP (MU-PAOX03)	Analog Output card (Conformally Coated)	51309152-175
AO IOP (MU-PAOY22)	Analog Output card	80363969-100
DO IOP (MU-PDOX02)	Digital Output card	51304487-100
DO IOP (MU-PDOY22)	Digital Output card	80363975-100
STI IOP (MU-PSTX02)	Smart Transmitter Interface card (Replaced by 51304516-200)	51304516-100