PANDUIT[™] infrastructure for a connected world



TECHNICAL REFERENCE 87-SZ

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Gate	way-Enabled PDU Replacement
Applies to:	SmartZone Gateway-Enabled PDUs: • M-Series • MPO-Series • MS-Series • MSPO-Series SmartZone Gateways: • SmartZone Gateway EP042 • SmartZone Gateway EPA64
	 SmartZone Gateway EPA126 SmartZone Gateway EPA126 + EX18 Expansion unit
Objective:	This Technical Reference describes the proper procedure for replacing a Gateway-Enabled PDU.
Pre-Requisites:	Web access and login credentials for the Gateway User Interface (UI).

Performing the Procedure

At the Cabinet:

1. Determine what is physically connected to each outlet.

At the Gateway Web UI:

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- 2. Check which outlets display as green (turned ON).
- 3. Record the line cord locations and the desired ON/OFF state of each outlet.
- 4. Correct any discrepancies between the desired outlet ON/OFF state and the current state.
- 5. Navigate to **Power>Configure>Cfg** to find the PDU you will replace.

							Setup	Input Sensors	Outputs	Access Control	5	ower
Pow	er / C	Configure										
se Pow	er Cir	cuits are o	onfigure	d here.						1	Prest	Next
Con	trol M	lethod:	HTTP	+ SNMP +						Min/Max Period:	15 mi	nutes •
Cyc	le Up,	Down Del	lay: 1	Seconds						Reboot Delay:	10	Second
Rep	eat T	imer:	600	Seconds (C	n Comms Fi	ailure)				Abort Cycle Delay:	: 20	Secon
Cyc	le Pas	sword:										
Circ	uit		Name		Outlet	s Туре						
01-L	1	Cíg	PDU 1		30	Monitor Only						
01-L	2	Cfg	A2									
01-L	3	Cfg	A3									
02		Cfg	PDU 2		N/A	Monitor Only						
03		Cfg	PDU 3		N/A	Monitor Only						
04		Cfg	None		24	Disabled						
05		Cfg	None		1	Disabled						
06		Cfg	None		24	Disabled						
Agg		Cfg	Aggregate	e	N//	A Calculated						
	_				_							

6. From the Device Type drop-down menu, select Disabled to disable the PDU you will replace.

PAND	шт							Logged In: admin System f	(Administrator) Name: Eagle-i_52 Logout
					Setup	Input Sensors	Outputs	Access Control	Power
Status Status 3-Phase	Power / Configure :	Device 1 L1 [Power Device	1-PDU 1]						
Thresholds	Circuit Name:	Pours Device 01							
Configure Control Configure PDU	Device Type:	Disabled Possibled							
PDU Gang	RMS Volts	Monitor Only Monitor and Control	-						•
Control	RMS Current	Per Outlet Monitor							•
CL-Amp	Total Energy (kWh)								•
	Apparent Power (kv	A)							+
	True Power (kW)								+
	Power Factor								•
									Back Save

At the Cabinet:

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- 7. Disconnect the PDU from the power source.
- 8. Unplug all line cords and cables going to the PDU to be replaced.
- 9. Remove the PDU from the cabinet.
- 10. With all breakers ON, install the new PDU.
- 11. Connect all line cords per the locations you recorded in Step 3.
- 12. Connect the communication cable to the Gateway.

At the Gateway Web UI:

- 13. Navigate to **Power>Configure>Cfg** to find the new PDU.
- 14. From the Device Type drop-down menu, select the correct PDU model type for the new PDU.

Status Power / Configure : Device 4 [Power Device 04-None] Access Control Power Status 3 -Phase Circuit Name: None Device 04 Device 04 Device 04 Device Type: Montor Only Device 04 Device Type: Montor Only Device 04 Device Type: Montor Only Device 04 Device 04 </th <th>PAND</th> <th>UIT</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Logged In: admin System I</th> <th>(Administrator Name: Eagle-i_S Logou</th> <th>) 2 It</th>	PAND	UIT						Logged In: admin System I	(Administrator Name: Eagle-i_S Logou) 2 It
Status Power / Configure : Device 4 [Power Device 04-None] Configure : Device Name: None Configure : DU/ Gangs Device Name: Power Device 04 Device Type: Monitor Only Image: Device 04 Configure : DU/ Gangs Device Type: Monitor Only PDU Gang RMS Volts Monitor only Control Control Monitor Only Control Monitor only Image: Device Type: Monitor only Image: Device Type: Monitor only Monitor only Image: Device Type: De					Setup	Input Sensors	Outputs	Access Control	Power	
	Status Status 3-Phase Thresholds Configure PDU Gangs PDU Gang Control CL-Amp	Power / Configure : Circuit Name: Device Name: Device Type: RMS Volts RMS Volts RMS Current Total Energy (kWh) Apparent Power (kt) True Power (kW) Power Factor	Device 4 [Power Device 04 None Power Device 04 Monitor Only Disabled Monitor and Control Per Outlet Monitor Per Outlet Monitor Per Outlet Monitor	-None]						0 0 0 0 0
Back S									Back Sav	8

- 15. Click Save to preserve the new PDU configuration.
- 16. Go to **Power>Control** and put all outlets for the new PDU into the same ON/OFF states that you recorded in Step 3.

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		Setup	Input Sensors	Outputs	Access Control	Power
Status 3-Phase O Thresholds Configure PDU Gangs PDU Gang Control CL-Amp	wer Strips / Control atlet control for connected Power Devices is presented here. 01 02 02 [Monitor Only] 03 [Monitor Only] 04 [Disabled] 05 [Disabled] 06 [Disabled]	[dose]	I			

- 17. If necessary, you can power down unused outlets from the Gateway Web UI.
- 18. Go to **Power>Status** and verify that the correct line voltages and currents are displayed for the new PDU.

End State

You have successfully replaced a Gateway-Enabled PDU within SmartZone.