






## Power Supplies and Interface Modules

The power supplies provide a low-cost interface between ac power supply and dc-operated sensors. They can source up to 100 milliamps. All models are available with integral TEACH push button and remote TEACH function. The interface module is a passive module that allows additional status indicators to be located in the user's control cabinet. It provides remote indication and TEACH capability.

	Description	Sensor Input	Input Supply	Sensor Supply	Models
	<b>Power Supply</b> e/m relay output, status lights, and TEACH button	NPN	24V ac	15V dc	PS24-1N
		PNP			PS24-1P
		NPN	115V ac		PS115-1N
		PNP			PS115-1P
	<b>Passive Interface Module</b> Status lights and TEACH button	—	10-30V dc	—	SIM-525T


## Sensor Interface Modules

Low-cost modules provide a dc powered interface for sensors.

	Input	Outputs	Connections	Model	Used With
	10-30V dc	Current Sinking (NPN)	Two 13-pin Terminals	PPSIM-NT	PresencePLUS P4
			One 13-pin Terminals One DB-15 Connector	PPSIM-NC	
		Current Sourcing (PNP)	Two 13-pin Terminals	PPSIM-PT	
			One 13-pin Terminals One DB-15 Connector	PPSIM-PC	
	10-30V dc	Current Sinking (NPN)/ Current Sourcing (PNP)	Two 13-pin Terminals	IVUSIM	iVu


## Light Interface Modules

Low-cost interface module allows strobe operation of Banner vision lighting with any vision sensor or system.

	Input	Strobe Output	Model	Used With
	24V dc	5V @ 10 mA max.	PPLIM	Vision lighting



## EZ-LIGHT™ Controllers

- Manually operated controllers for Andon, call-for-parts and machine status indication
- Toggle switch model can control up to 5 indicators simultaneously

	Description	Switch Function	Supply Voltage	Model	Used With
	5 toggle switches	ON-OFF-FLASH	30V dc	LC80T	EZ-LIGHT indicators with PNP input
	12-position rotary switch			LC80R	


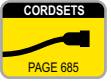
## AC Emitter/Receiver Interface Boxes

- Provides AC power for up to three receivers or two cascaded emitter/receiver pairs, with external device monitoring (EDM) available.
- Supplies +24V dc power at 0.7 amps (16.8 W max. power) and accepts input voltages from 100-250V ac (50-60 Hz).

	Safety Outputs	EDM	Emitter/Receiver Connection	AC Power Connection	Output and EDM Connections	Model	Used with
 	3 NO	Selectable 1- or 2-Channel or no EDM	8-Pin M12/Euro QD	Hard-wired	Hard-wired	<b>EZAC-R9-QE8</b>	EZ-SCREEN
	2 NO & 1 NC			Hard-wired	Hard-wired	<b>EZAC-R11-QE8</b>	
	1 NO & 1 SPDT	1-Channel		3-Pin Mini QD	8-Pin Mini QD	<b>EZAC-R15A-QE8-QS83</b>	
	1 NO & 1 NC	Power Monitoring		3-Pin Mini QD	5-Pin Mini QD	<b>EZAC-R8N-QE8-QS53</b>	
	2 NO			3-Pin Mini QD	5-Pin Mini QD	<b>EZAC-R10N-QE8-QS53</b>	

## AC Emitter Interface Boxes

- Provides AC power for up to four emitters, with external device monitoring (EDM) available.
- Supplies +24V dc power at 0.7 amps (16.8 W max. power) and accepts input voltages from 100-250V ac (50-60 Hz).

	Emitter Connection	AC Power Connection	Model	Used with
 	8-Pin M12/Euro QD	Hard-wired	<b>EZAC-E-QE8</b>	<ul style="list-style-type: none"> <li>• EZ-SCREEN SLSE...Q8 (without Test input)</li> <li>• EZ-SCREEN SLPE..</li> </ul>
	5-Pin M12/Euro QD	Hard-wired	<b>EZAC-E-QE5</b>	<ul style="list-style-type: none"> <li>• EZ-SCREEN SLSE...Q5 (with Test input)</li> </ul>
	8-Pin M12/Euro QD	3-Pin Mini QD	<b>EZAC-E-QE8-QS3</b>	<ul style="list-style-type: none"> <li>• EZ-SCREEN SLSE...Q8 (without Test input)</li> <li>• EZ-SCREEN SLPE..</li> </ul>
	5-Pin M12/Euro QD	5-Pin Mini QD	<b>EZAC-E-QE5-QS5</b>	<ul style="list-style-type: none"> <li>• EZ-SCREEN SLSE...Q5 (with Test input)</li> </ul>

NC = Normally Closed, NO = Normally Open

## AC Interface Box Specifications

Visit [bannerengineering.com](http://bannerengineering.com) for detailed specifications