

PS-645L

Pole mount AC-DC power supply with 60-watt output, with 2 x 24-volt outputs to drive Detector unit and illumination device. Each Detector input is isolated from external field wiring via built in relays with back EMF protection to protect the detector unit outputs.

Option of normally open or normally closed contacts allowing unit to be set up to operate in failsafe mode, if power fails output closes.

Unit supplied complete with

- Custom mounting bracket with 14mm hole
- 16mm black hose
- Optional IDC termination block for ethernet connections

SPECIFICATIONS

Description	Power Supply
Input	
Voltage Range	85 ~ 305 VAC
Frequency Range	47 ~ 440 Hz
Efficiency	90%
Output	
DC Voltage	24 V
Rated current	2.5 A
Rated Power	60W
Ripple noise (max)	150mV p/p
Protection	
Overload	115% ~ 160% rated power
Over Voltage	25.2 ~ 32.4V
Environmental	
Working temp	-30 ~ 7+ 70C
Temp Coefficient	0.03%/C
Others	
MTBF	1226Khrs min

FEATURES

- Universal input 85~305VAC
- No Load consumption <15w
- Wide operating Temp -30~70C
- Protections Short Circuit / Open Circuit / Over load
- Isolation Class II
- Over voltage category III
- IP65 enclosure
- 2 x voltage free outputs
- 2 x 24VDC outputs
- 2 x open collector inputs
- On board LED indicators x 2
- Aluminum mounting bracket (powder coated and treated)



CABLE CONNECTION CHART

RED	240V LINE	Relay Operations		
BLACK	240V NEUTRAL	POWER OFF	POWER ON	POWER ON DETECT STATE
GREEN	EARTH			
BLUE	Common Relay 1&2			
WHITE	Relay 1 - N/O (Default)	N/C	N/O	N/C
	Relay 1 - N/C	N/O	N/C	N/O
ORANGE	Relay 2- N/O (Default)	N/C	N/O	N/C
	Relay 2- N/C	N/O	N/C	N/O

NOTE: THE RELAYS ENERGISE ON POWER UP

	AUX	
Terminals	Red	Black
Auxiliary	24v DC+	24v DC-

IMPORTANT:

When interfacing this unit with an AGD 650 detector, the wiring diagram provided on the detector's datasheet is not applicable.

All connections must be made in accordance with the wiring details specified in this manual.

Please refer to the table above for the correct configuration to ensure proper relay operation.

PS-645-42L

Pole mount AC-DC power supply with 60-watt output, with 2 x 24-volt outputs to drive Detector unit and illumination device. Each Detector input is isolated from external field wiring via built in relays with back EMF protection to protect the detector unit outputs.

Option of normally open or normally closed contacts allowing unit to be set up to operate in failsafe mode, if power fails output closes.

Unit supplied complete with

- Custom mounting bracket with 14mm hole
- 16mm black hose
- Optional IDC termination block for ethernet connections

SPECIFICATIONS

Description	Power Supply
Input	
Voltage Range	32 ~ 60 VAC
Frequency Range	47 ~ 440 Hz
Efficiency	90%
Output	
DC Voltage	24 V
Rated current	2.5 A
Rated Power	60W
Ripple noise (max)	150mV p/p
Protection	
Overload	115% ~ 160% rated power
Over Voltage	25.2 ~ 32.4V
Environmental	
Working temp	-30 ~ 7+ 70C
Temp Coefficient	0.03%/C
Others	
MTBF	1226Khrs min

FEATURES

- Universal input 32~60VAC
- No Load consumption <15w
- Wide operating Temp -30~70C
- Protections Short Circuit / Open Circuit / Over load
- Isolation Class II
- Over voltage category III
- IP65 enclosure
- 2 x voltage free outputs
- 2 x 24VDC outputs
- 2 x open collector inputs
- On board LED indicators x 2
- Aluminum mounting bracket (powder coated and treated)



CABLE CONNECTION CHART

PINK	42v+	Relay Operations		
BLACK	42V-			
GREEN	EARTH/GROUND			
BLUE	Common Relay 1&2			
WHITE	Relay 1 - N/O (Default)	N/C	N/O	N/C
	Relay 1 - N/C	N/O	N/C	N/O
ORANGE	Relay 2- N/O (Default)	N/C	N/O	N/C
	Relay 2- N/C	N/O	N/C	N/O

NOTE: THE RELAYS ENERGISE ON POWER UP

	AUX	
Terminals	Red	Black
Auxiliary	24v DC+	24v DC-

IMPORTANT:

When interfacing this unit with an AGD 650 detector, the wiring diagram provided on the detector's datasheet is not applicable.

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