



## MCS\*E Series Power Supply

### MULTIPLE 24 VAC POWER SUPPLY, INDOOR

#### Product Features

- 120 VAC Input, 24 VAC Output
- 2, 5, 10, or 20 Amp Capacities
- 4, 8, or 16 Outputs
- Input and Output Fuse Protection
- Power On/Off Switch
- An Economical Alternative to the MCS Series Power Supply
- Compatible with Cameras, Domes, and Pan/Tilts



MCS8-5E

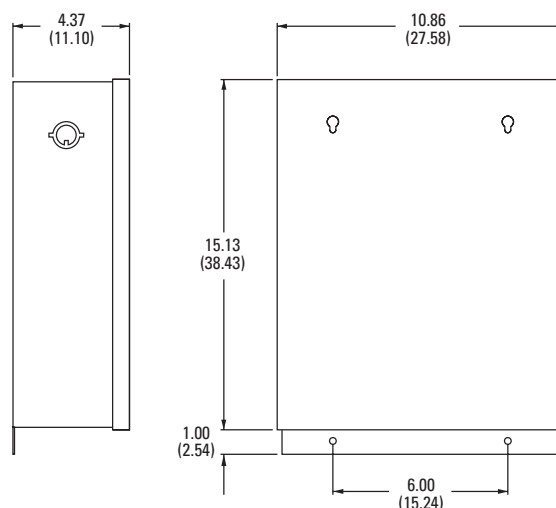
The power supplies in the **MCS\*E Series** offer an economical variety of configurations for powering up to 16 units from a single power source.

The **MCS\*E Series** power supplies provide 24 VAC output for 4, 8, or 16 units. The power supplies have an input of 120 VAC. They are all packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries.

For integrated systems such as Spectra® and Esprit® the higher capacity models can handle pan/tilt and receiver operation in addition to camera functions. (See product capacity chart.)

Models come with input and output fuses, including spares, to provide a high degree of protection for the camera.

Wiring specifications to assist in the installation of equipment are provided on the inside of the cover. There also is an installation record area for noting the power consumption and types of equipment connected to the power supply.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;  
ALL OTHERS ARE INCHES.



# TECHNICAL SPECIFICATIONS

## MODELS

MCS4-2E	Indoor multiple power supply, 120 VAC input. Four 1 A fused 24 VAC outputs, total current capacity of 2 A (48 VA).
MCS8-5E	Indoor multiple power supply, 120 VAC input. Eight 3 A fused 24 VAC outputs, total current capacity of 5 A (120 VA).
MCS16-10E	Indoor multiple power supply, 120 VAC input. Sixteen 3 A fused 24 VAC outputs, total current capacity of 10 A (240 VA).
MCS16-20E	Indoor multiple power supply, 120 VAC input. Sixteen 3 A fused 24 VAC outputs, total current capacity of 20 A (480 VA).

### Product Capacity Chart

A partial list of compatible products and the number of units that may be powered by each power supply are listed below. Capacity is based on the vA rating of each product to be used with the power supply.

Product	Power Supply Model			
	MCS4-2E (48 VA)	MCS8-5E (120 VA)	MCS16-10E (240 VA)	MCS16-20E (480 VA)
CCD Camera (12 VA maximum)	4	8	16	16
Indoor DF5 with camera (3 VA)	4	8	16	16
Indoor DF8 with camera (12 VA maximum)	4	8	16	16
Indoor Spectra® (25 VA)	1	4	8	16
Esprit® (70 VA)	—	1	3	6

## MECHANICAL

Cable Entry	Four knockouts for either 1/2-inch (1.27 cm) or 3/4-inch (1.91 cm) conduit
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## ELECTRICAL

Input Voltage	120 VAC, 60 Hz
Output Voltage	24 VAC
Output Fuse Ratings	
MCS4-2E	1 A*
Other Models	3 A*
Input Connectors	Wire nut
Output Connectors	Screw-type barrier strips
Input Wire Size	12-16 gauge solid wire
Output Wire Size	12-22 gauge solid or stranded wire

\*Individual output cannot exceed this rating, and the total of all outputs cannot exceed the overall rating of the power supply (see the Models section).

## Recommended Wiring Distances

The following are the recommended maximum distances (transformer to load) and are calculated with a 10-percent voltage drop. (Ten percent is generally the maximum allowable voltage drop for AC-powered devices.) Distances are calculated in feet; value in parentheses are meters.

### Recommended Wiring Distances Chart

Input Voltage	Total VA Consumed	Wire Gauge		
		20 AWG (0.5 mm <sup>2</sup> )	18 AWG (1.0 mm <sup>2</sup> )	16 AWG (1.5 mm <sup>2</sup> )
24 VAC	10	283 (86)	451 (137)	716 (218)
	20	141 (42)	225 (68)	358 (109)
	30	94 (28)	150 (45)	238 (72)
	50	56 (17)	90 (27)	143 (43)

## GENERAL

Construction	Steel
Finish	Charcoal black polyester powder coat
Environment	Indoor
Operating Temperature	32° to 120°F (0° to 50°C)
Ratings	Meets NEMA Type 1 standards
Unit Weights	
MCS4-2E	13.45 lb (6.10 kg)
MCS8-5E	14.70 lb (6.67 kg)
MCS16-10E	16.60 lb (7.53 kg)
MCS16-20E	19.70 lb (8.94 kg)
Shipping Weights	
MCS4-2E	16 lb (7.26 kg)
MCS8-5E	17 lb (7.71 kg)
MCS16-10E	20 lb (9.07 kg)
MCS16-20E	23 lb (10.43 kg)



### Pelco Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA  
**USA & Canada** Tel: (800) 289-9100 • FAX (800) 289-9150  
**International** Tel: (559) 292-1981 • FAX (559) 348-1120  
[www.pelco.com](http://www.pelco.com)

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