MS500 Series Switcher

MANUAL, VIDEO

Product Features

- Economical

- 4, 8, 12, 18, or 40 Inputs

- Terminating or Looping

- Desktop or Rack Mount

- Compatible with Color or B-W Composite Video Signals

- Single Monitor Output (Except 40-Position Switcher Which Has Two Monitor Outputs)

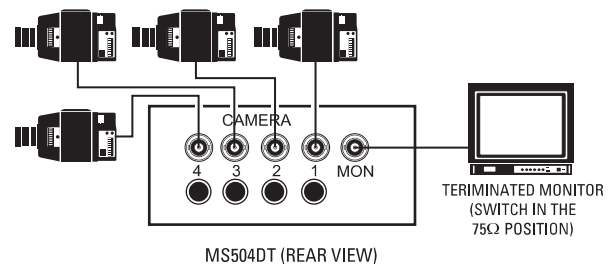- 120 VAC Input Models Only

MS504DT

The **MS500 Series** of manual, passive switchers provide an economical means of switching 4, 8, 12, 18, or 40 inputs to a single monitor. The interlocked manual push-button switches provide 75-ohm termination at each switch.

The **MS500L Series** of manual, looping switchers provide the same functions as the MS500 manual switchers except no termination is used and connectors are provided so that the video inputs may be looped through and terminated elsewhere.

Pelco has engineered a unique method of selecting over 18 inputs. By inter-wiring two sets of switches (4-position and 10-position), you can economically and reliably switch up to 40 inputs in only 1.75 inches (4.45 cm) of panel height on most models.

All switchers are desktop models. Optional rack mounting kits are available.

Audio follow options of single (AF) or balanced (BAF) audio are available for up to 18 positions. AF switchers are equipped with SPST, normally open switch closures for each position; BAF switchers have DPDT, normally open switch closures for each position.

MS504DT (REAR VIEW)

UL LISTED

International Organization
for Standardization;
Registered ISO 9001

ISO 9001 CERTIFIED

MODELS

MS504DT	Manual switcher, 4 inputs, terminating
MS508DT	Manual switcher, 8 inputs, terminating
MS512DT	Manual switcher, 12 inputs, terminating
MS518DT	Manual switcher, 18 inputs, terminating
MS504GDT	Manual switcher, 4 inputs, illuminated buttons
MS508GDT	Same as MS504GDT, 8 inputs
MS512GDT	Same as MS504GDT, 12 inputs
MS518GDT	Same as MS504GDT, 18 inputs
MS504LDT	Manual switcher, 4 inputs, looping
MS508LDT	Manual switcher, 8 inputs, looping
MS512LDT	Manual switcher, 12 inputs, looping
MS518LDT	Manual switcher, 18 inputs, looping
MS540LDT	Manual switcher, 40 inputs, looping
MS504GLDT	Manual switcher, 4 inputs, illuminated buttons, looping
MS508GLDT	Same as MS504GLDT, 8 inputs
MS512GLDT	Same as MS504GLDT, 12 inputs
MS518GLDT	Same as MS504GLDT, 18 inputs
MS504AF	Manual switcher, 4 inputs, terminating with audio follow
MS508AF	Manual switcher, 8 inputs, terminating with audio follow
MS512AF	Manual switcher, 12 inputs, terminating with audio follow
MS518AF	Manual switcher, 18 inputs, terminating with audio follow
MS504AFL	Manual switcher, 4 inputs, looping, with audio follow
MS508AFL	Manual switcher, 8 inputs, looping, with audio follow
MS512AFL	Manual switcher, 12 inputs, looping, with audio follow
MS504BAF	Manual switcher, 4 inputs, terminating with balanced audio follow
MS508BAF	Manual switcher, 8 inputs, terminating with balanced audio follow
MS512BAF	Manual switcher, 12 inputs, terminating with balanced audio follow
MS504BAFL	Manual switcher, 4 inputs, looping with balanced audio follow
MS508BAFL	Manual switcher, 8 inputs, looping with balanced audio follow
MS512BAFL	Manual switcher, 12 inputs, looping with balanced audio follow

VIDEO

Inputs	4, 8, 12, 18, or 40 as indicated by the last two digits of the model number
Video Connectors	BNC
Audio Connectors	
AF Switchers	1/8-inch RF phono jack
BAF Switchers	Terminal block
Termination	
Terminated or Non-looping Models	Input – 75-ohm internal termination
	Output – 75-ohm source termination
Looping Models	Input – High impedance looping
	Output – High impedance looping

ELECTRICAL

(Models MS500GDT, MS500GLDT, and MS540LDT)

Input Voltage	120 VAC, 50/60 Hz
Power Requirements	0.095 amp (11 VA)
Fuse	3 AG 1/16 ASB
Power Cord	3-wire grounded, 18 AWG

(Model MS540LDT only)

Output Amplifier	One amplified output and one non-amplified output for use with MPT9000CZ/MPT9000PZ or KBD9000
Gain	Unity
Frequency Response	Flat within ±1 dB to 10 MHz
Maximum Signal Level	2 Vp-p

GENERAL

Switching	Interlocked manual push buttons
Construction	
Cover	Steel, black polyester powder coat
Chassis	Steel, zinc plated
Panel	Aluminum, black polyester powder coat
Environment	32° to 120°F (0° to 49°C)
Dimensions/Weight	As noted below (weights approximate)

❶	MS504AF, MS504DT, MS504GDT, MS504GLDT, MS504LDT	1.75" H x 5.3" W x 9.3" D (4.45 x 13.46 x 23.62 cm) Unit Weight: 3 lb (1.35 kg) Shipping Weight: 4 lb (1.81 kg)
❷	MS504AFL, MS504 BAF, MS504BAFL, MS508AF, MS508BAF, MS508BAFL, MS508DT, MS508GDT, MS508GLDT, MS508LDT,	1.75" H x 14.3" W x 9.3" D (4.45 x 36.32 x 23.62 cm) Unit Weight: 6 lb (2.71 kg) Shipping Weight: 8 lb (3.62 kg)
❸	MS508AFL, MS512AF, MS512AFL, MS512BAF,, MS512GDT, MS512GLDT, MS512LDT, MS518AF, MS518DT, MS518GDT, MS518GLDT	1.75" H x 17.12" W x 9.30" L (4.45 x 43.48 x 23.62 cm) Unit Weight: 7 lb (3.17 kg) Shipping Weight: 9 lb (4.07 kg)
❹	MS540LDT	3.50" H x 17.12" W x 9.30" L (8.89 x 43.48 x 23.62 cm) Unit Weight: 9 lb (4.07 kg) Shipping Weight: 11 lb (4.98 kg)

CERTIFICATIONS/RATINGS

- UL Listed
- Meets NEMA Type 1 standards

OPTIONAL ACCESSORIES

DT200	Dual desktop mount kit; two units can be mounted side-by-side in one desktop chassis. Use with ❶ above.
R300	Rack mount kit for up to three switchers. (Factory racking available for R300 rack kits only.) 1 RU. Use with ❶ above.
RKS10	Rack mount kit for single switcher. 1 RU. Use with ❷ above.
RKS20	Rack mount kit for single switcher. 1 RU. Use with ❸ above.
RKS40	Rack mount kit for single switcher. 2 RUs. Use with ❹ above.