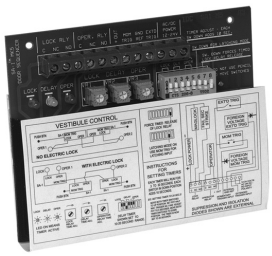
CX-SA-1

SWITCHING NETWORK



CX-SA-1

FEATURES

- 3 ADJUSTABLE DELAYS, UP TO 30 SECONDS MAXIMUM
- EASY POTENTIOMETER ADJUSTMENT
- LED'S FOR VISUAL RELAY CONFIRMATION
- ACCEPTS WET OR DRY INPUTS
- SPDT CONTACTS RATED AT 2 AMPS @ 24V DC
- 12 TO 24V AC/DC
- LATCHING MODE TOGGLES OUTPUT #2 ONLY, OR, OUTPUTS #1 AND #2 BOTH
- SEPARATE MOMENTARY AND EXTENDED TRIGGER INPUTS FOR INCREASED FUNCTIONALITY

DESCRIPTION

Camden Door Controls CX-SA-1 switching network is an economical door interface relay. Relay 1 has an adjustable delay on release of 0 - 30 seconds. Relay 2 has a delay on operate of 0 – 30 seconds, and delay on release of 0 – 30 seconds.

The SA-1 has been designed for high reliability and ease of use. Adjustments are made via simple yet effective potentiometers combined with precise dip switch adjustment. The Form C relay outputs are rated at 2 amps @ 24V DC. Red LED's confirm the relay status.

The momentary trigger input ensures that should an input (switch) ever stick closed, the unit will time out, thereby allowing the door to close and lock, enhancing security.

A simple dip switch change converts operation for a maintained input and output.

A further setting allows the input when activated to toggle output relay #2, or toggle both relays 1 and 2.

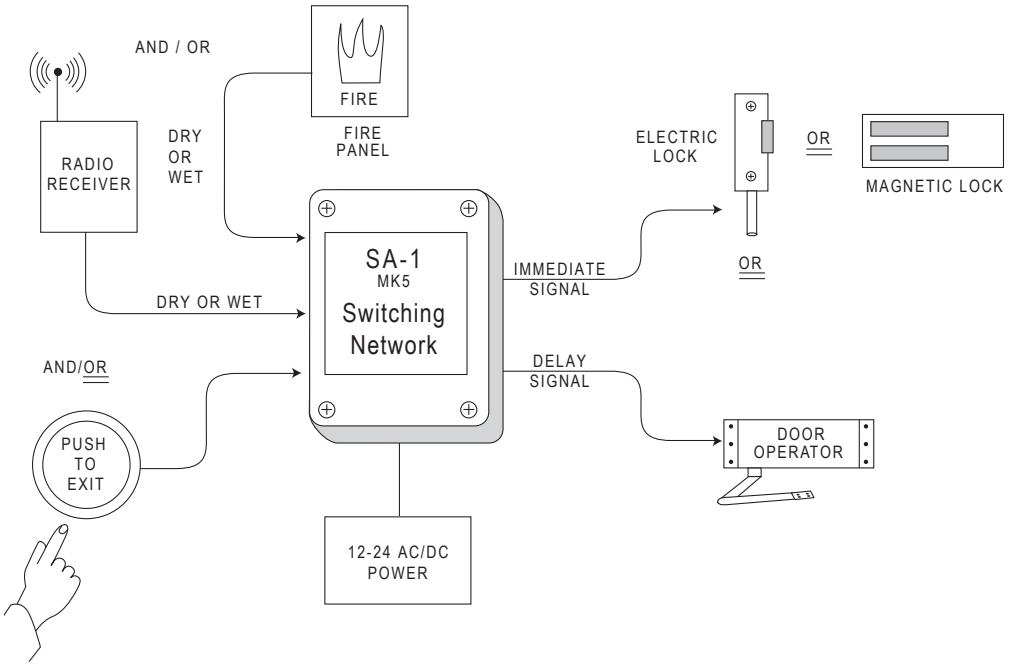
APPLICATION

The SA-1 switching network is ideal for (de)energizing an electric strike (or electromagnet) then, after an adjustable time, activating an automatic door operator. It is also suitable for other timing functions such as door sequencing in one direction, or anywhere a high quality timing relay is required.

For smoke evac (fire door) application, a jumper change allows an extended trigger to send a maintained signal to the operator. The latching mode function can be used on industrial doors, or computer room doors.

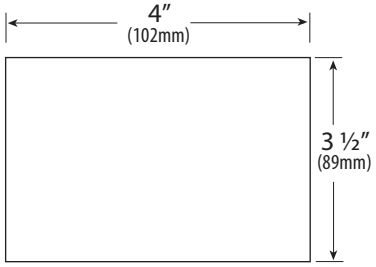
5502 Timberlea Blvd. Mississauga, ON Canada L4W 2T7 • Toll Free: 1 877 226-3369 (CAMDEN9)
Tel: (905) 366-3377 • Fax: (905) 366-3378 • E-mail: info@camdencontrols.com • www.camdencontrols.com

TYPICAL APPLICATION



SPECIFICATIONS

DIMENSIONS:	3 1/2" H x 4" W x 3/4" D (89mm x 102mm x 19mm)
MOUNTING:	DOUBLE SIDED FOAM TAPE
ENCLOSURE:	WRAP AROUND SLEEVE
OPERATING VOLTAGE:	12-24 VOLTS AC/DC
CURRENT DRAW:	18 MA IDLE, 63 MA OPERATING @ 24V
RESPONSE TIME:	.3 SECONDS
INPUT:	N.O. WET OR DRY CONTACTS X 2
OPERATION:	ONE SHOT, MAINTAINED, OR LATCHING
RELAY OUTPUTS:	2 X FORM 'C' (SPDT)
CONTACT RATING:	2 AMPS @ 24V DC
ELECTRICAL LIFE:	100.000 @ RATED CAPACITY
TIME DELAYS:	DOR #1 - .5 – 30 SECONDS DOO #2 - .5 – 30 SECONDS DOR #2 - .5 – 30 SECONDS



CX-SA-1

CAMDEN DOOR CONTROLS
5502 Timberlea Blvd. Mississauga, ON Canada L4W 2T7 • Toll Free: 1 877 226-3369 (CAMDEN9)
Tel: (905) 366-3377 • Fax: (905) 366-3378 • E-mail: info@camdencontrols.com • www.camdencontrols.com
MKTG-LIT-SP-SA1-R2
Certified ISO 9001: 2008
FS 541752