

Overview

Bi-directional screen motors cannot be directly controlled using the GRAFIK Eye 3000 Series. However, these screens can be operated using a 120VAC relay in conjunction with the GRAFIK Eye Control Unit to provide two position (up or down) control of these motors.

Guidelines

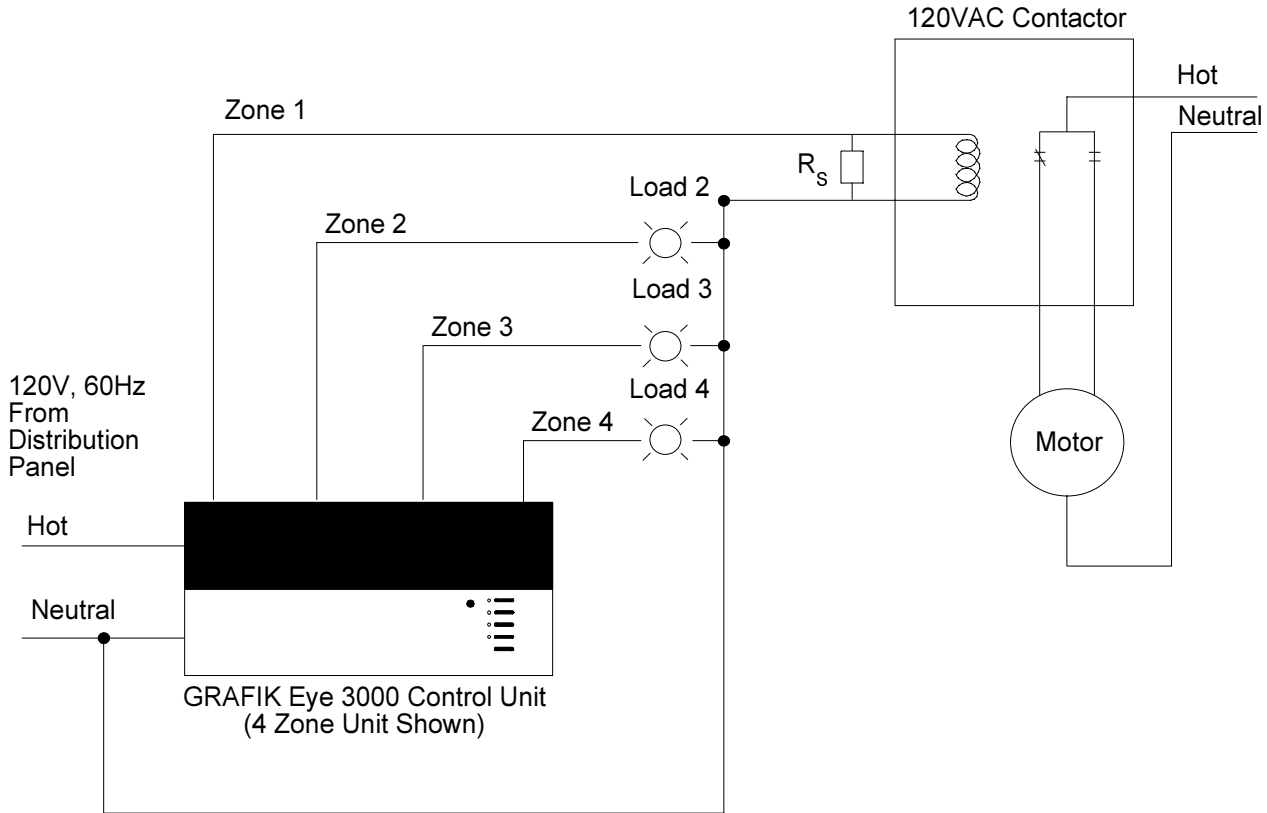
1. Motor must be equipped with limit switches.
2. Motor must be thermally protected.
3. Relay to be driven by the GRAFIK Eye Control Unit must have a 120VAC coil and be rated for motor loads.
4. GRAFIK Eye Zone controlling the relay must be assigned as a Non-Dim Zone.
5. GRAFIK Eye Control Unit requires a minimum load of 25W/VA per zone. The 120VAC relay coil burden must be at least 25W/VA or an additional shunt load resistor must be added.
6. Recommended relay:

<u>Mfg.</u>	<u>Part No.</u>	<u>Description</u>	<u>Est. Price</u>
Square-D	8501-C015-120	SPDT 1.5 HP 9.8 VA coil	\$28.00
Square-D	9991-VE1	Enclosure (3.6x5.3x3.3 in)	\$12.00

Recommended shunt load resistor:

<u>Mfg.</u>	<u>Part No.</u>	<u>Description</u>	<u>Est. Price</u>
Dale	RH251K5	1.5K 25W Chassis Mount/Lugs	\$3.00

7. Follow relay and shunt load resistor manufacturers' installation instructions.
8. Wire according to diagram on next page.



R_s - Indicates Shunt Load Resistor

Additional Information

World Headquarters

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299 U.S.A.
TOLL FREE: (800) 523-9466 (U.S.A., Canada, and the Caribbean)
Tel: (610) 282-3800; International 1610 282-3800
Fax: (610) 282-3090; International 1610 282-3090

European Headquarters

Lutron EA LTD
Lutron House
6 Sovereign Close
Wapping
London, E1 9HW England
FREEPHONE: 0800 282107 (U.K.)
Tel: (0171) 702-0657; International 44-171-702-0657
Fax: (0171) 480-6899; International 44-171-480-6899

Hong Kong Office

Tel: 2593-1119; International 852-2593-1119
Fax: 2593-1197; International 852-2593-1197

Singapore Office

Tel: 487-2820; International 65-487-2820
Fax: 487-2825; International 65-487-2825

Japan Office

Lutron Asuka Corporation K.K.
Kowa Shibakoen Bldg. 2nd Floor
1-1-11 Shibakoen
Minato-ku, Tokyo 105-0011, Japan
TOLL FREE: (0120) 083417 (Japan)
Tel: International 81 3 5405 7333
Fax: International 81 3 5405 7496

Worldwide Technical and Sales Assistance

If you need technical assistance, call the toll-free **Lutron Technical Assistance Hotline**. Please provide exact model number when calling. (800) 523-9466 (U.S.A., Canada and the Caribbean) Other countries call:
Tel: (610) 282-3800; International: 1 610 282-3800
Fax: (610) 282-3090; International: 1 610 282-1243
Our address on the Web is www.lutron.com

Lutron and GRAFIK Eye are registered trademarks of Lutron Electronics Co., Inc.

LUTRON

APPLICATION NOTE **S3**

8/98