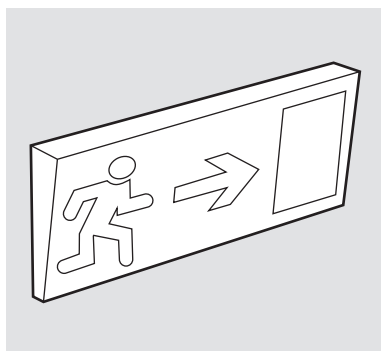




ⒶU EMERG1W
EMERG2W
PFGEMERG1
PFGEMERG2

User Instructions

Emergency Lighting Discharge Test solutions have been developed to meet the needs of the electrical industry. In accordance to AS2293.1-2005 and AS/NZS2293.2 1995 'Emergency Evacuation Lighting for Buildings', a discharge test circuit MUST be installed in both existing and new installations.

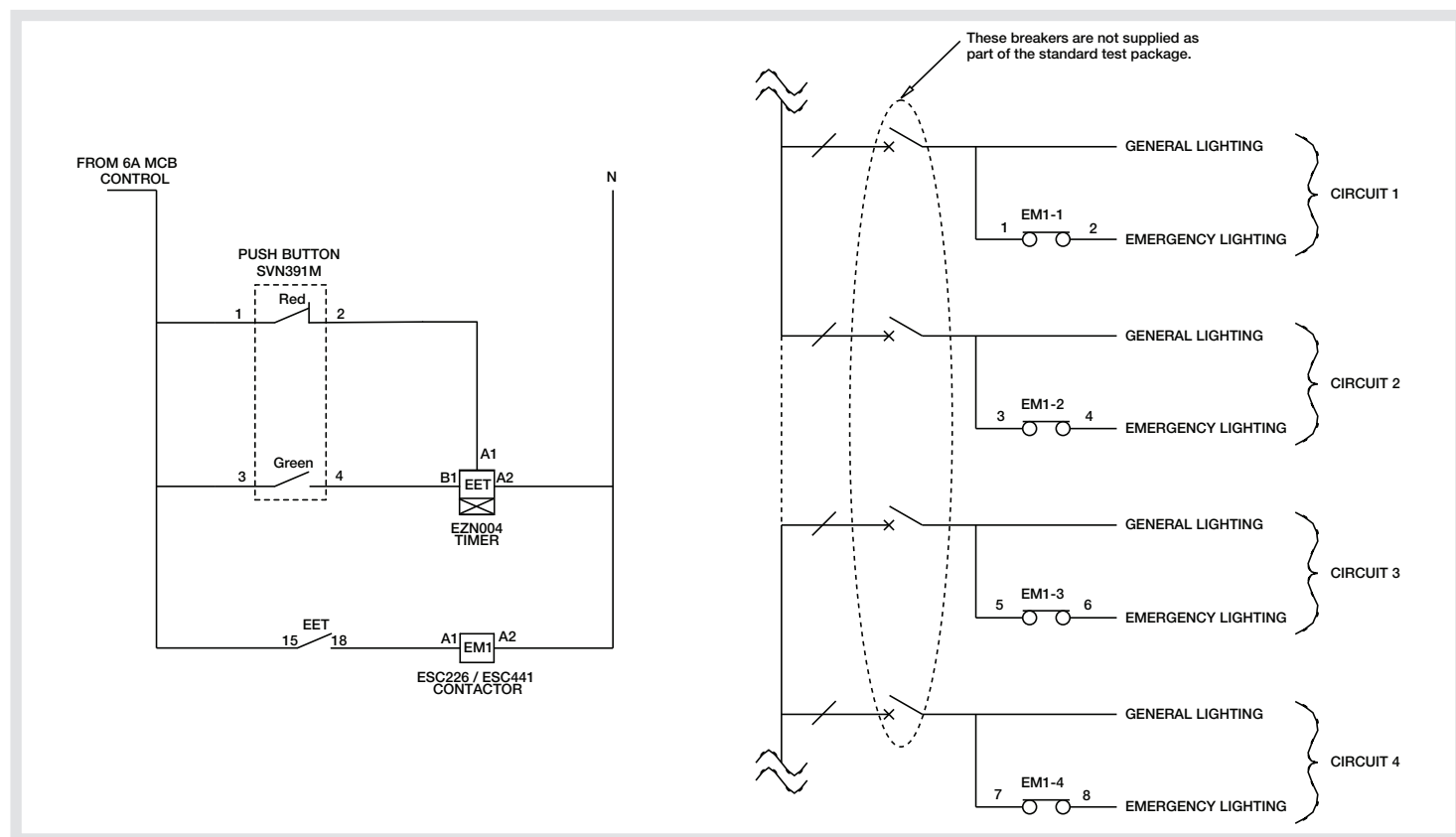
Emergency lighting discharge test kits

Operation

Upon engaging the Green push button for 1 second, the timer starts its operation and energizes the contactor coil. The four normally closed contacts open, initiating operation of the emergency lights.

The timer, to be set at 2 hours (2hrs for initial commissioning, 90mins thereafter, completes its operation, de-energising the contactor coil returning the contacts to the normally closed position.

In accordance with AS2293.1-2005 4.3.1(b) the test facility is capable of being manually reset. If the red push button is pressed the timer resets & is ready for the green push button to start the timing cycle again.



Kit contents in relation to product purchased

1 - Standalone solutions prewired in plastic enclosures

EMERG1W - Suitable for up to 4 separate test circuits

QTY	Cat.Ref	Description	Module width
1	ESC441	Contactor - 4NC contacts, 40A	3
1	SVN391M	Push button - 1NO (green) + 1NO (red)	1
1	EZN004	Delay timer - 0.1sec to 10hrs	1
1	GD106T	Enclosure - Plastic, 6 module	6
1	GP106T	Door - suits GD106T, transparent	-
1	VZ313	Lock - suits GD106T	-

2 - Add On accessory for PERFORMA panelboards (Classic, Apex, Apex PLUS, Elite) - Note: loose components, wiring required.

PFGEMERG1 - Suitable for up to 4 separate test circuits

QTY	Cat.Ref	Description	Module width
1	ESC441	Contactor - 4NC contacts, 40A	3
1	SVN391M	Push button - 1NO (green) + 1NO (red)	1
1	EZN004	Delay timer - 0.1sec to 10hrs	1

EMERG2W - Suitable for up to 2 separate test circuits

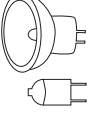
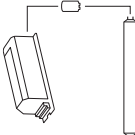
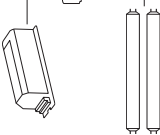
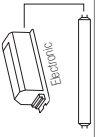
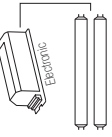
QTY	Cat.Ref	Description	Module width
1	ESC226	Contactor - 2NC contacts, 25A	1
1	SVN391M	Push button - 1NO (green) + 1NO (red)	1
1	EZN004	Delay timer - 0.1sec to 10hrs	1
1	GD104T	Enclosure - Plastic, 4 module	4
1	GP104T	Door - suits GD104T, transparent	-
1	VZ313	Lock - suits GD104T	-

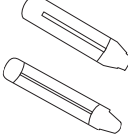
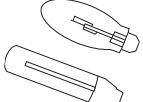
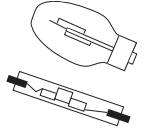
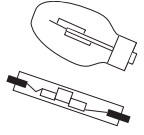
PFGEMERG2 - Suitable for up to 2 separate test circuits

QTY	Cat.Ref	Description	Module width
1	ESC226	Contactor - 2NC contacts, 25A	1
1	SVN391M	Push button - 1NO (green) + 1NO (red)	1
1	EZN004	Delay timer - 0.1sec to 10hrs	1

Lighting load

The table below indicates the number of lamps (or dual fittings) that can be connected to **each pole** of the contactor on 230V 50hz circuits.

Type	Lamp wattage (W)	Rated output (per pole)	63A
Compact Fluorescent Lamps (CFL's)			
 CFL with external electronic ballast	5 - 7	15	49
	9 - 11	13	40
 CFL with integrated electronic ballast	15 - 26	11	36
	5 - 15	27	86
Incandescent lamps			
 Tungsten Halogen Lamps 230V	18 - 26	20	63
	40	50	76
	60	33	67
	75	27	63
	100	20	41
	150	13	29
	220	10	22
	300	7	15
	500	4	9
	1000	2	4
 Halogen ELV (12 or 24V) with electronic transformer	20	40	135
	35	33	82
	50	24	60
	75	20	52
	100	11	35
	150	6	20
Fluorescent tubes (T5)			
 Single - with starter (High Power Factor <0.9)	15 - 18	20	70
	20	19	70
	36	15	60
	40	13	60
	42	12	55
	58	9	35
	65	8	35
	80	7	30
	115	5	20
	140	5	16
 Single - with starter (Low Power Factor >0.9)	15 - 20	11	36
	36	11	34
	40 - 42	11	29
	58 - 80	10	27
	115	10	25
	20	20	50
 Double - with starter (High Power Factor <0.9)	2 x 18	19	50
	2 x 20	15	44
	2 x 36	13	40
	2 x 40	12	40
	2 x 42	12	40
	2 x 58	9	27
	2 x 65	8	27
	2 x 80	7	22
	2 x 115	5	16
	2 x 18	11	34
 Double - with starter (Low Power Factor >0.9)	2 x 20	11	29
	2 x 36	10	27
	2 x 40	10	27
	2 x 42	10	27
	2 x 58	10	25
	2 x 65	7	23
 Single with electronic ballast	2 x 80	7	20
	2 x 115	5	17
	15 - 20	11	36
	36	11	34
	40 - 42	11	29
	58 - 80	10	27
 Double with electronic ballast	115	10	25
	2 x 18	11	34
	2 x 20	11	29
	2 x 36	10	27
	2 x 40	10	27
	2 x 42	10	27
	2 x 58	10	25
	2 x 65	7	23
	2 x 80	7	20
	2 x 115	5	17

Type	Lamp wattage (W)	Rated output (per pole)	63A
Discharge lamps			
 High pressure mercury vapour lamps (High Power Factor <0.9)	50	14	32
	80	9	24
	125	5	18
	250	3	10
	400	1	6
	700	0	4
	1000	0	2
	18	10	18
	35	6	10
	55	6	9
 High pressure sodium lamps (High Power Factor >0.9)	90	4	6
	135	3	4
	180	2	4
	18	7	15
	35	6	13
	55	5	13
	90	3	13
	135	2	5
	180	2	5
	35	14	30
 Metal - Halide Lamp (High Power Factor <0.9)	50	12	22
	70	9	18
	110	5	13
	150	5	13
	250	3	7
	400	1	5
	1000	0	3
	35	24	42
	70	15	26
	150	7	14
 Metal - Halide Lamp (Low Power Factor >0.9)	250	5	9
	400	2	6
	1000	0	3
	35	10	22
	70	8	22
	150	5	12
	250	5	9
	400	1	5
	1000	0	2
	1000	0	2
LED's			
 LED 230V integrated driver, Non dimmable, E27 / GU10	4 - 12	27	86
	17 - 22	20	63
	30 - 40	14	44
	50	11	35
	4 - 12	60	250
	17 - 22	44	118
	30 - 40	31	82
	50	24	65
	100	0	6
	150	0	4
 LED high bay lighting	200	0	4
	1 - 10	60	108
	15	44	75
	4 - 12	27	86
	17 - 22	20	63
	30 - 40	14	44
	50	11	35
	4 - 12	60	250
	17 - 22	44	118
	30 - 40	31	82
 LED 12V external driver Dimmable	50	24	102
	100	0	7
	150	0	5
	200	0	4
	1 - 10	60	170
	15	44	118
	4 - 12	27	86
	17 - 22	20	63
	30 - 40	14	44
	50	11	35