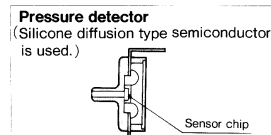


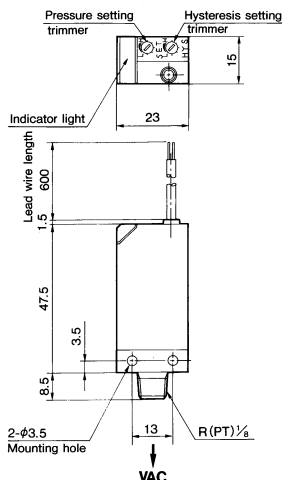
VACUUM SWITCH SERIES ZSE1

- ✓ Solid state
- ✓ Quick response - 10 ms
- ✓ Compact size
- ✓ Semiconductor type pressure sensor
- ✓ NPN and PNP versions



DIMENSIONS

VACUUM SWITCH SERIES ZSE1



TECHNICAL SPECIFICATIONS

Fluid	Air
Setting pressure range	0~760mmHg
Hysteresis	Adjustable 1~10% of range
Accuracy	±3% F.S. (5~40°C) ±5% F.S. (0~60°C)
Supply voltage	12~24VDC (Ripple ±10% or less)
Output	Open collector (NPN/PNP) 30V Max. 80mA
Trimmer adjustment	200°
Indicator light	Lighting under ON condition
Power consumption	17mA 24VDC (under ON condition)
Max. pressure	2 Bar
Temperature range	0 ~ 60°C

HOW TO ORDER

VACUUM SWITCH SERIES ZSE1

ZSE1 — L — Q

CONNECTION

00 ...ZM Ejector mounting
01 ...1/8

SWITCH TYPE

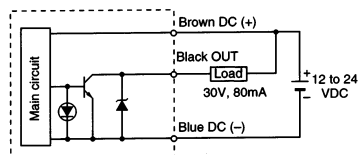
15L ...Solid state (NPN)
55L ...Solid state (PNP)

STOCKED PRODUCTS

FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST

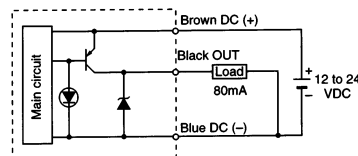
CIRCUIT ZSE1

Switch Type 15L



ZSE1-...-55

Switch Type 55L



ACCESSORIES

VACUUM SWITCH SERIES ZS

Interface plate for ZM Ejector
P31806-01(blank)
P31806-02(use with switch)

STOCKED PRODUCTS

FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST



SEE INSIDE FRONT COVER FOR
DETAILS OF YOUR LOCAL SALES OFFICE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E802

VACUUM SWITCH
SERIES ZSM1 DIAPHRAGM TYPE

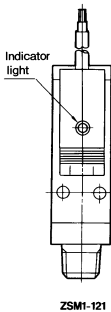
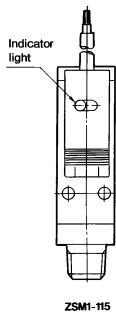
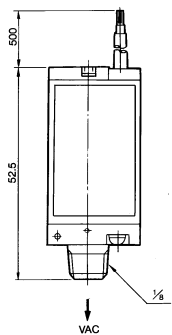
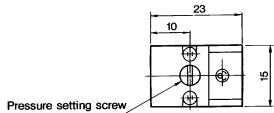


- ✓ 100 ms response time
- ✓ Compact size

ZM VACUUM EJECTOR TYPE

DIMENSIONS

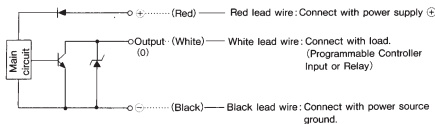
VACUUM SWITCH SERIES ZSM1 (THREADED TYPE)



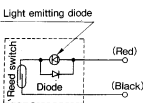
TECHNICAL
SPECIFICATIONS

Model	ZSM1-115	ZSM1-121
Electrical switch type	Solid state NPN	Contact (reed switch)
Fluid	Air, Inert gases	
Max. pressure	0.5MPa	
Setting pressure range	- 200 ~ - 600mmHg	
Adjustment screw	Range = 18 turns	
Max. hysteresis	110mmHg	150mmHg
Temperature range	5 ~ 60°C	
Supply voltage	10 ~ 26VDC	100VAC
Indicator light	Lighting under ON condition (LED)	
Wire	3wire	2wire
Port size	1/8 (Male)	

CIRCUIT
ZSM1-115



ZSM1-121



HOW TO
ORDER

VACUUM SWITCH SERIES ZSM1

ZSM1 — — Q

- CONNECTION
0ZM Ejector mounting
11/8
- SWITCH TYPE
15L ...Solid state (NPN)
21L ...Contact reed

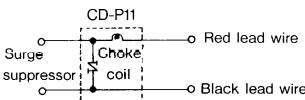
STOCKED PRODUCTS
FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST

ACCESSORIES
CONTACT PROTECTION BOX

Diaphragm type switches have no built-in contact protection circuit. Use this box for induction load, 5m or more lead wire length and 100V AC.



CONTACT PROTECTION BOX/INTERNAL CIRCUIT



ACCESSORIES
VACUUM SWITCH SERIES ZSE1

- Interface plate for ZM Ejector
- P31806-01(blank)
- P31806-02(use with switch)
- CD-P11Contact protection box

STOCKED PRODUCTS
FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E802