

WM81 SERIES

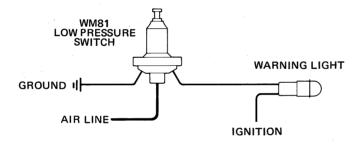
PRODUCT DESCRIPTION

DESCRIPTION The WM 81 series consists of non-grounded switches that respond to a drop of air pressure below a preset level. The WM 81 switches feature an adjustment that allows the actuation setting to be modified. The switches are shipped from the factory with this setting preadjusted to 50-60 PSI (344,7-413,7 kPa). When the pressure drops below the preset value, these switches activate a light or buzzer to indicate that a low pressure condition exists.

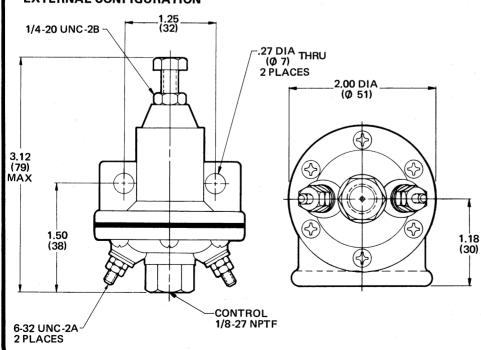
OPERATION When the control pressure exceeds the preset level, a diaphragm in the switch holds the contacts in the open position. If the pressure decreases below this level, the diaphragm is spring-returned and the contacts close. A customer-supplied light or buzzer warns the operator of the low pressure condition.

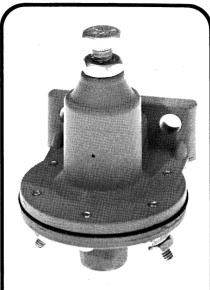
APPLICATION The WM 81 series single-pole, single-throw switches are commonly installed as signal devices in pneumatic braking systems. Designed for low voltage (6-24 VDC), low amperage applications, these switches are frequently used to activate a warning light or buzzer when a low pressure condition exists in the vehicle's air brake system. The WM 81 series is not UL approved.

TYPICAL INSTALLATION



EXTERNAL CONFIGURATION





ADJUSTABLE PRESSURE SWITCH

FUNCTIONAL DIAGRAM



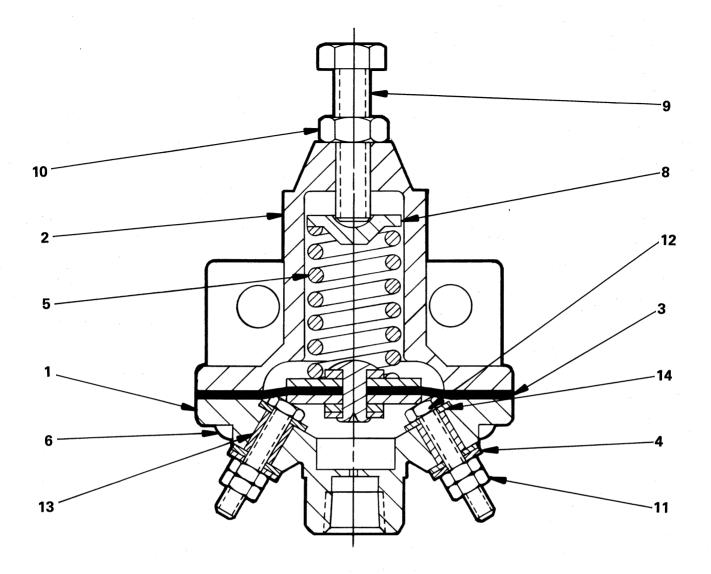
CONTROL PRESSURE BELOW PREADJUSTED SETTING



CONTROL PRESSURE
ABOVE PREADJUSTED SETTING

I.S.O. SYMBOL





SPECIFICATIONS

PARTS IDENTIFICATION		
ITEM	DESCRIPTION	QTY.
1.	BODY	1
2	COVER	1
3	DIAPHRAGM ASSEMBLY	1
4	WASHER	2
5	SPRING	1
6	SCREW	6
8	SPRING SEAT	1
9	SCREW	1
10	NUT	1
11	NUT	4
12	SCREW	2
13	SLEEVE	2
14	INSULATOR	4
This component is classified as a non-repairable item.		

TO ORDER, SPECIFY

WM81

Model Number
PART NUMBER 111237