PRODUCT DESCRIPTION

DESCRIPTION Engineered for industrial or vehicle applications, the WM777A is a normally open, air pressure-actuated, electrical stoplight switch. The unit is mounted by the 1/4-18 NPTF male inlet port.

OPERATION An internal spring holds the contacts in the normal, open position. The WM777A stoplight switch is actuated by 2-6 PSI (13.8-41.4 kPa) of air pressure. When actuated, an internal diaphragm expands, closing the contacts.

APPLICATION Designed primarily for vehicular stoplight applications, the WM777A can be used in any air pressure-activated installation. A tee-fitting can be used to mount the switch to any air line. Wiring can be connected to either terminal. The WM777A stoplight switch can be used in FMVSS 121 applications.

TYPICAL INSTALLATION

FROM BRAKE TREADLE VALVE

IGNITION SWITCH

WM777A STOPLIGHT SWITCH

TAIL LIGHTS

AIR BRAKES

EXTERNAL CONFIGURATION

10-32 UNF-2A

.90

(23)

.62

(16)

2.00

(51)

1/4-18 NPTF

2.00

(51)

I.S.O. SYMBOL

NORMAL

ACTUATED

FUNCTIONAL DIAGRAM

STOPLIGHT SWITCH

WILLIAMS CONTROLS, INC.
14100 SW 72ND AVENUE, PORTLAND, OREGON 97224, TEL: (503) 684-8600, TELECOPIER: (503) 684-8610
### Parts Identification

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This component is classified as a non-repairable item.

### Specifications

- **Port Size**: 1/4-18 NPTF
- **Maximum Operating Pressure**: 150 PSI (1034.2 kPa)
- **Operating Temperature**: -40°F to 200°F (-40°C to 93.3°C)
- **Pressure Required to Actuate**: 2.6 PSI (13,841.4 kPa)
- **Current Rating**: See Graph of Current Rating vs. Usage
- **Mounting**: Female Valve Port or Line Fitting
- **Mounting Attitude**: Optional

### Materials:
- **Body**: Glass-Filled Gray Noryl
- **Cover**: Die Cast Zinc Alloy
- **Terminals**: Brass
- **Contacts**: Cadmium-Silver Alloy
- **Contact Plate**: Die Cast Aluminum Alloy
- **Diaphragm**: Fabric-Reinforced Buna N

### Net Weight:
- .3 oz. (0.1 kg)

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**To Order, Specify**

**WM777A**

*Model Number*

**Part Number 118150**

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**Graph**: Amperage vs. Cycles x 10,000