

Catalog Number Key

802M — A 1 T Y12 N5F
a b c d e f

a

| Bulletin Number | |
|-----------------|----------------------------------|
| Code | Description |
| 802M | Limit Switch |
| 802MC | Corrosion Resistant Limit Switch |

b

| Type of Switch | |
|----------------|--|
| Code | Description |
| A | Lever Type Spring Return |
| B | Top Push Spring Return Rod Type |
| C | Side Push Spring Return Rod Type |
| D | Top Push Spring Return Roller Type |
| H | Lever Type Spring Return Short Trip Low Differential |
| K | Side Push Spring Return Roller Type |
| AM | Lever Type Maintained Contact |
| NP | Neutral Position Spring Return |
| X | Switch Only |
| XNP | Switch Only (Neutral Position) |
| AS | Two Stage Sequential |
| XS | Two Stage Sequential (Switch Only) |
| BA | Adjustable Top Push-Rod Type |
| CA | Adjustable Side Push-Rod Type |
| AZ | 2 Circuit 24V DC |
| BZ | 2 Circuit 24V DC |
| CZ | 2 Circuit 24V DC |
| DZ | 2 Circuit 24V DC |
| HZ | 2 Circuit 24V DC |
| KZ | 2 Circuit 24V DC |

c

| Lever Movement Contact Operation | |
|----------------------------------|--|
| Code | Description |
| No Char. | CW or CCW With Lever Type Spring Return Devices (A or H) or Roller Vertical With Side Push Roller Type (K) |
| 1 | CW With Lever Type Spring Return Devices (A or H) |
| 2 | CCW With Lever Type Spring Return Devices (A or H) |

e

| Connection Type | |
|-----------------|---|
| Code | Description |
| Y | Indicates Cable |
| Y5 | 5 Foot Cable |
| Y6 | 6 Foot Cable |
| Y12 | 12 Foot Cable |
| Y16 | 16 Foot Cable |
| J | Indicates Plug-In Receptacle |
| J1 | 5-Pin Plug-In Receptacle on 2 Circuit Contact Block or 9-Pin Plug-In Receptacle on 4 Circuit Contact Block |
| J9 | 5-Pin Plug-In Receptacle (Similar to J1) on 2 Circuit Contact Block with Specific Wiring Configuration per Automotive Industry Requirements |
| J4 | 10-Pin Plug-In Receptacle on 4 Circuit Contact Block with Two Indicating Lights |
| C | Indicates Fitting for Liquid-Tight Flexible Metal Conduit ④ |
| CS_ | With Straight-Out Fitting ⑤ |
| CF_ | w/90° Elbow Fitting: Oriented Front ⑥ |
| CL_ | w/90° Elbow Fitting: Oriented Left ⑥ |
| CB_ | w/90° Elbow Fitting: Oriented Back ⑥ |
| CR_ | w/90° Elbow Fitting: Oriented Right ⑥ |

d

| Number of Circuits of Contact Blocks | |
|--------------------------------------|---------------------|
| Code | Description |
| No Char. | 2 Circuits |
| T | 4 Circuits |
| X | Operating Head Only |

f

| Special Features Pilot Lights | | |
|-------------------------------|--------------|----------------|
| Code | Description | AC Voltage |
| NF | N.O. Contact | 120 50/60Hz |
| NC | N.C. Contact | |
| N5F | N.O. Contact | 240 50/60Hz |
| N5C | N.C. Contact | |
| L5F | N.O. Contact | 240 50/60Hz |
| LFC | N.C. Contact | |
| | | DC Voltage |
| LF | N.O. Contact | 24 |
| LC | N.C. Contact | |

3

CW = Clockwise operation

CCW = Counterclockwise operation

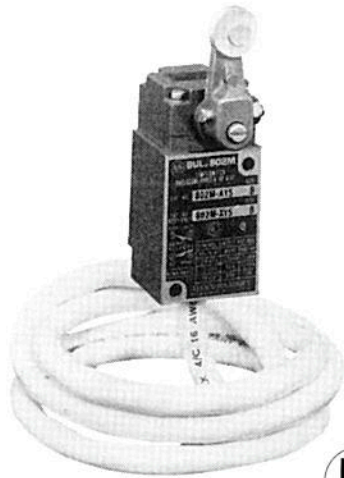
① If the switch is to be equipped with two identical levers, only add one lever designation: If two different levers are required, list both, left side first. **Example:** 802T-AD with two W1 levers is catalog number 802T-ADW1; with W1 and W2, catalog number is 802T-ADW1W2.

② Used with "R" Type operating head.

③ When two or more modifications are to be used, list the modifications designators in alphabetical order.

④ Conduit not supplied.

⑤ Dashes indicate pigtail length. **Example:** GS5 = 5 foot long pigtail.



Description

The Bulletin 802M compact pre-wired limit switch is factory sealed to meet the demanding requirements for NEMA 1, 4, 6P and 13 enclosures. Outstanding features designed into the switch make it easy to install and economical to use.

A wide variety of operating heads and operating levers are available. Operating head can be mounted in four positions, 90° apart.

Applications

The Bulletin 802M is designed for dry and wet applications. The superior sealing system has been developed to protect against dust, dirt, and fluids normally found in industrial environments. The device has been subjected to and passed harsh environmental testing such as alternately drenching with a liquid and exposing to dust and abrasive grit with the switch operating 250 times per minute.

The switch is often used in applications subject to washdowns, streams of coolant, or occasionally submerged in fluids commonly found on machines or in industrial processes. This limit switch is being used successfully in High Water Content Fluid (HWCF) applications. Refer to the nearest district sales office for applications where potentially corrosive fluids are of a particular concern.

Features

- Pre-wired and factory sealed
- Side rotary, adjustable top and top or side push styles with and without rollers

Specifications

| | |
|----------------------------|--|
| Enclosure Rating | NEMA 1, 4, 6P and 13 |
| Approvals | UL listed, CSA certified |
| Ambient Temperature | +32°F to +180°F (0°C to +80°C) minimum temperature based on the absence of freezing moisture or water. |

Maximum AC Contact Rating per Pole 50 or 60Hz—2 Circuits¹ Same Polarity

| NEMA Rating Designation | Max AC Voltage | Amperes | | Cont. Carry Current | Voltamperes | |
|-------------------------|----------------|---------|-------|---------------------|-------------|-------|
| | | Make | Break | | Make | Break |
| A600 A300 | 120 | 60 | 6.00 | 10 | 7200 | 720 |
| | 240 | 30 | 3.00 | 10 | 7200 | 720 |
| A600 — | 480 | 15 | 1.50 | 10 | 7200 | 720 |
| | 600 | 12 | 1.20 | 10 | 7200 | 720 |

Maximum DC Contact Rating per Pole 50 or 60Hz—2 Circuits¹ Same Polarity

| | | | | |
|------|-----|-----|---|-----|
| P150 | 125 | 1.1 | 5 | 138 |
|------|-----|-----|---|-----|

Maximum AC Contact Rating per Pole 50 or 60Hz—4 Circuits¹ Same Polarity

| | | | | | | |
|------|-----|----|------|---|------|-----|
| B300 | 120 | 30 | 3.00 | 5 | 3600 | 360 |
| | 240 | 15 | 1.50 | 5 | 3600 | 360 |

¹ All units have double-break fine silver contacts.

Pre-Wired—Factory Sealed

Lever Type • Spring Return page 3–34

Top Push a • Spring Return • Rod Type page 3–36

Side Push • Spring Return • Rod Type page 3–36

Top Push • Spring Return • Roller Type page 3–36

Side Push • Spring Return • Vertical and Horizontal Roller Type page 3–36

Adjustable Top Push • Spring Return • Rod Type page 3–36

Adjustable Side Push • Spring Return • Rod Type page 3–36

Lever Type • Maintained Contact page 3–38

Neutral Position • Spring Return page 3–40

Sequential • Spring Return page 3–41

Modifications and Accessories page 3–45

