

ISSUE	9		MTG-GL-178
RELEASE NUMBER		AO 18-38	REPLACES

REVISIONS	
5	9/96 A018-276
6	12/96 A018-293
7	7/97 CO-000083
8	8/97 CO-000106
9	CO/395
IW 6/98	

DRAWN	M. LOCH	3/93
CHECK	I. WEIR	3/93
DESIGN	J. BOYD	3/93
AUTHOR'N	P. TRICKETT	3/93

LIMIT SWITCH

FIG. 1

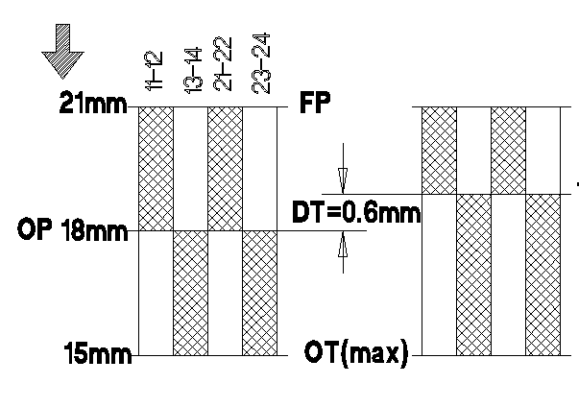
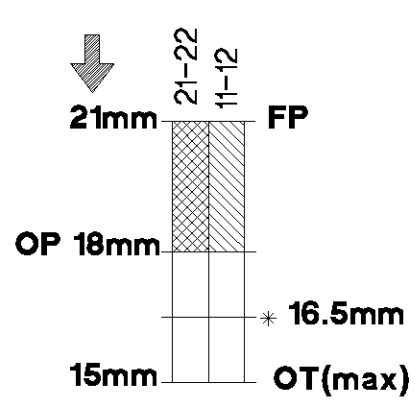
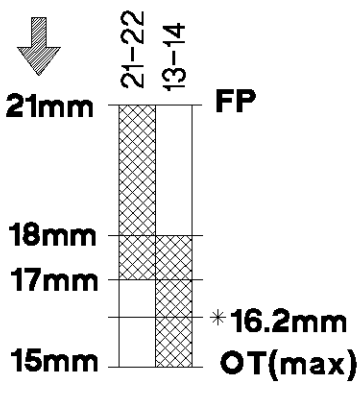
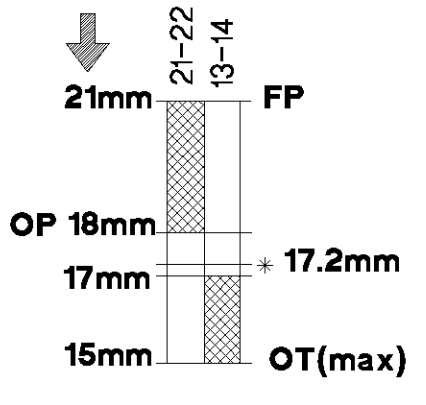
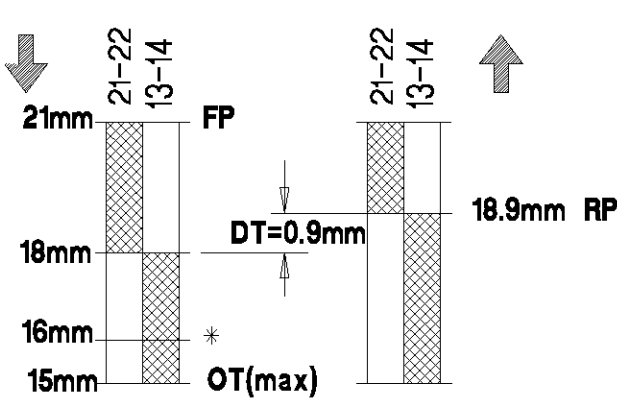
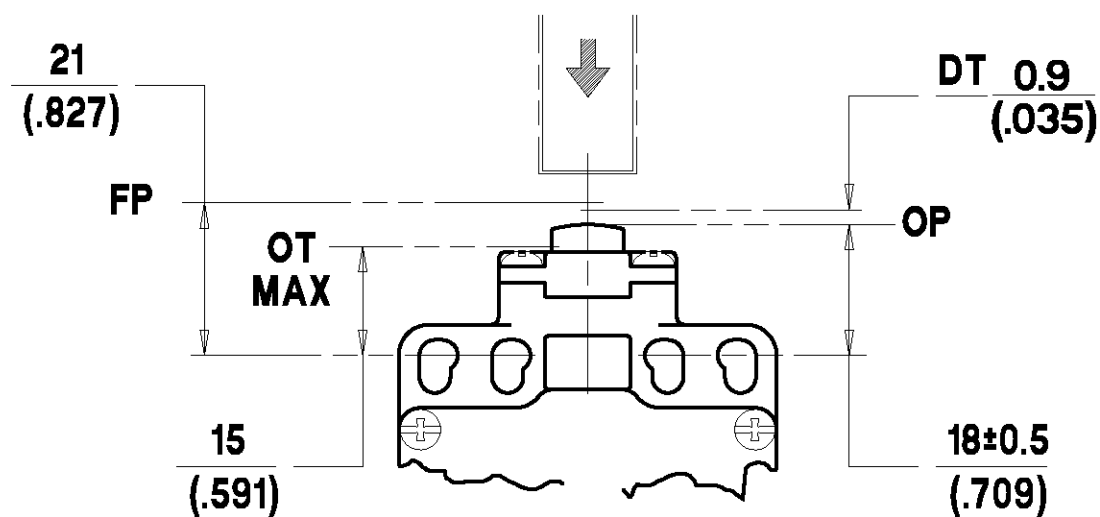
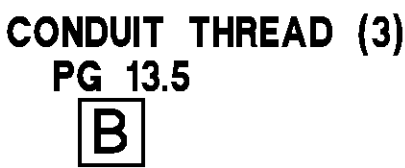
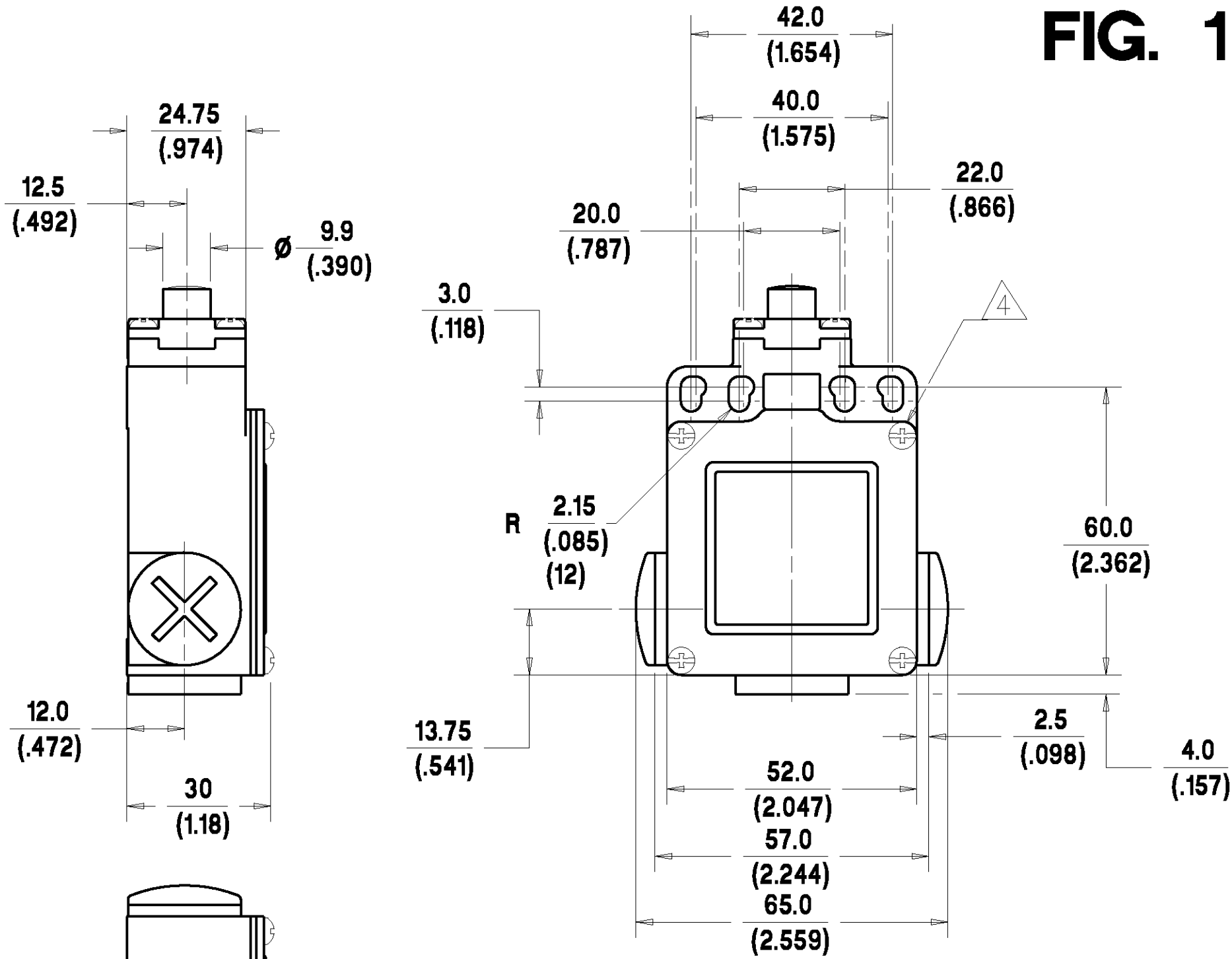


Diagram illustrating the states of a relay contact:

- CONTACT CLOSED:** The top contact is closed (shaded).
- CONTACT OPEN:** The bottom contact is open (unshaded).

NORMAL OPERATING FORCE MAX	N (lbf)
MAXIMUM DISCONNECT FORCE	N (lbf)



NOTES:-

1. ZINC DIECAST BODY AND HEAD WITH STEEL COVER. BODY AND COVER FINISHED IN MICRO SWITCH BLUE EPOXY PAINT. HEAD FINISHED IN BLACK EPOXY PAINT.
2. MINIMUM OPERATING VELOCITY (V_{min}) = 1.0 MM/S (THESE LIMITS APPLY TO CAM OPERATION AS SHOWN IN THE ABOVE DIAGRAMS ONLY)
 MAXIMUM OPERATING VELOCITY (V_{max}) = 100 MM/S
 MAXIMUM OPERATING FREQUENCY (F_{max}) = 250 OPS/MIN
3. FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.
4. MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW = 0.5Nm (4.4in.LB)

NO CHANGES CAN BE MADE TO
THIS DRAWING WITHOUT JOINT
NEWHOUSE/FREEPORT APPROVAL

STANDARD SILVER CONTACTS		GOLD PLATED CONTACTS			
ELECTRICAL RATING		ELECTRICAL RATING		ENVIRONMENTAL	
AC A300 AC15 Ue Ie VOLTS AMPS 120 6 240 3		DC O300 DC13 Ue Ie VOLTS AMPS 125 0.55 250 0.27		I_{th} = 10A IP66 NEMA 1, 4, 12, 13 TEMP RANGE : -25°C TO 85°C -13°F TO 185°F STORAGE : -40°C TO 85°C -40°F TO 185°F SHOCK : 50G PER IEC 68-2-27 VIBRATION : 10G PER IEC 68-2-6	
		IV 10μA MIN. 50V 100mA MAX.		UL CSA IEC 947-5-1 EN50047	

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OTHER THAN THAT FOR WHICH IT IS SUPPLIED.

THIRD
ANGLE
PROJECTION

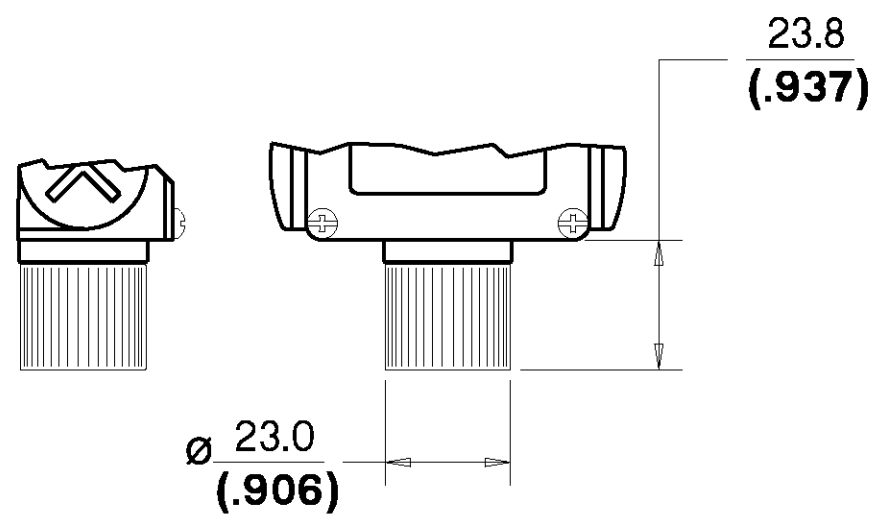
The drawing shows a flange with a central hole. The front view is a circle with a smaller concentric circle inside, representing the hole. The top view is a trapezoid, indicating a tapered section. The drawing is oriented with the front view on the left and the top view on the right.

SCALE
1:1

DIMENSIONS ARE IN
MM/INCHES.

MODIFY ON CAD3D
SYSTEM ONLY

FIG. 2



1/2" NPT X 14 CONDUIT
THREAD ADAPTER

A

BASIC SWITCH-
CONDUIT THREAD-
EE FIGS. 1 & 2

EN50047 BODY TYPE—
(SEE FIG. 1)

1/2" NPT X 14 CONDUIT
THREAD ADAPTER

PG 13.5
CONDUIT THREAD

M20 X 1.5
CONDUIT THREAD

PF 1/2
CONDUIT THREAD -

NOTE:-
ANY STANDARD LISTING WITH SUFFIX
'RS' OR 'FE' IS PERMITTED.

PIN ACTUATOR
E FIG. 1)

GLE **X** **XX** **B** - **XXXX** — MODIFICATION CODE

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CABLE 5 WIRE, WITH GROUND.
LAST CHARACTER IS
CABLE LENGTH I = IMTR.
CABLE LENGTHS ARE FROM
1 TO 9 METRES.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B' .

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CONNECTOR , 4 PIN MICRO.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B' .

CONNECTOR, 5 PIN MICRO
TWIN KEYWAY.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B'.

CONNECTOR , 4 PIN MINI.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B' .

CONNECTOR , 5 PIN MINI.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B' .

CONNECTOR , 5 PIN MICRO.
ONLY AVAILABLE WITH CONDUIT
THREAD TYPE 'B' .

NOTE:
FOR CONNECTION DIAGRAMS AND ADDITIONAL
ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL
INFORMATION SEE DRAWING GL-49212.

NOTE :- CABLE AND CONNECTOR WILL BE FITTED TO BOTTOM EXIT CONDUIT ONLY. OTHER OPTIONS CUSTOMER SPECIAL 'N' LISTING.