Honeywell

LIMIT SWITCH

CATALOGUE LISTING
GLS

CHART NO.
MTG-GL-167

MTG-GL-167

REPLACES

DRAWING NUMBER A018-38

ISSUE 11

RELEASE NUMBER

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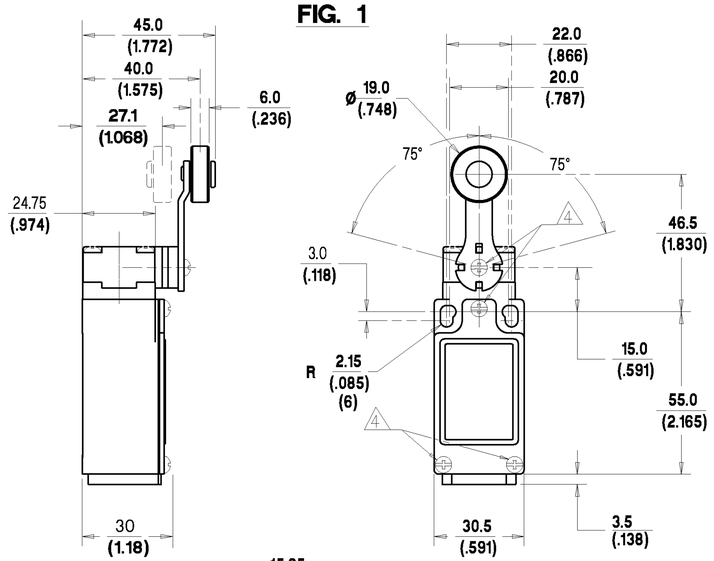
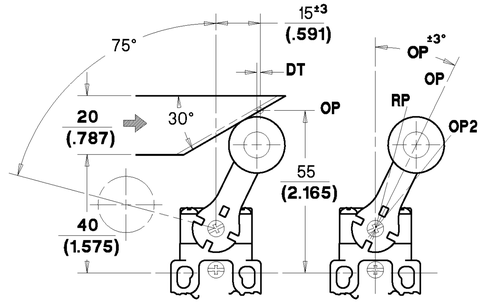
10	2/98
CO-000288	
11	CO/395
1 WEIR 6/98	

FIG. 1





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 (Vmin) = 2.0 MM/S (THESE LIMITS APPLY TO CAM MAXIMUM OPERATING VELOCITY (Vmax) = 200 MM/S OPERATION AS SHOWN IN THE MAXIMUM OPERATING FREQUENCY (Fmax)= 250 OPS/MIN ABOVE DIAGRAMS ONLY)
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	APPROVALS
	AC	DC			
	A300 AC15 Ue Ie	Q300 DC13 Ue Ie	I_{th} = 10A	IP66 NEMA 1, 4, 12, 13	UL
	VOLTS AMPS	VOLTS AMPS	1V 10µA MIN.	TEMP RANGE : -25°C TO 85°C / -13°F TO 185°F	CSA
	120 6	125 0.55	50V 100mA MAX.	STORAGE : -40°C TO 85°C / -40°F TO 185°F	IEC 947-5-1
	240 3	250 0.27		SHOCK : 50G PER IEC 68-2-27	EN50047
				VIBRATION : 10G PER IEC 68-2-6	

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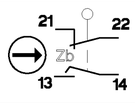
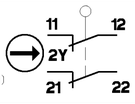
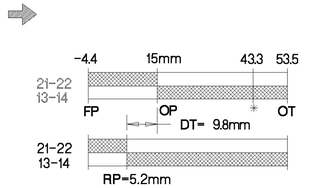
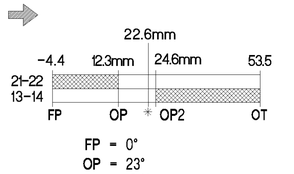
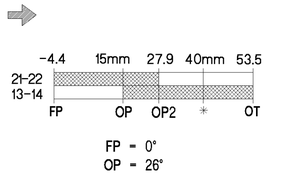
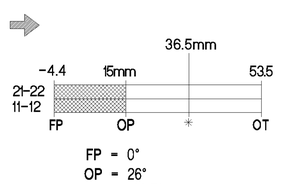
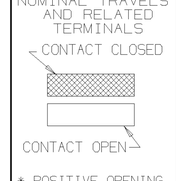
THIRD ANGLE PROJECTION

SCALE 1:1 | DIMENSIONS ARE IN MM/INCHES. | MODIFY ON CAD SYSTEM ONLY

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

SNAP-ACTION CONTACTS	SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)	SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)	SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)	CONTACT BLOCK DIAGRAM TERMINAL DESIGNATION TO EN 50013
				NOMINAL TRAVELS AND RELATED TERMINALS
 FP = 0° OP = 26° RP = 14.5° DT = 11.5° ✳ = 54° OT = 61° to 75°	 FP = 0° OP = 23° ✳ = 34° OP2 = 36° OT = 61° to 75°	 FP = 0° OP = 26° ✳ = 50.5° OP2 = 39° OT = 61° to 75°	 FP = 0° OP = 26° ✳ = 46.5° OT = 61° to 75°	 ✳ POSITIVE OPENING TO IEC 947-5-1-3
120 (1.1)	110 (1.0)	110 (1.0)	110 (1.0)	NORMAL OPERATING TORQUE MAX Nmm (in.lbs)
140 (1.3)	160 (1.5)	170 (1.6)	150 (1.4)	MAXIMUM DISCONNECT TORQUE Nmm (in.lbs)

01 OR **07**

03 OR **33**

04 OR **34**

06 BASIC SWITCH WITH SILVER CONTACTS
OR
36 BASIC SWITCH WITH GOLD PLATED CONTACTS

SIDE ROTARY ACTUATOR (SEE FIG.1)

ROLLER MATERIAL
A = PLASTIC : B = METAL.

HEAD ORIENTATION AND LEVER DIRECTION OF OPERATION (SEE FIG. 3)

BASIC SWITCH

CONDUIT THREAD (SEE FIGS.1 & 2)

EN50047 BODY TYPE (SEE FIG. 1)

GLC | **X** | **XX** | **A1** | **X** – **X** | **XXX**

MODIFICATION CODE

1/2" NPT X 14 CONDUIT THREAD ADAPTER — **A**

PG 13.5 CONDUIT THREAD — **B**

M20 X 1.5 CONDUIT THREAD — **C**

PF 1/2 CONDUIT THREAD — **D**

A	01	A
B	03	B
C	04	1
D	06	2
	07	3
	33	4
	34	5
	36	

BLANK = NO ROLLER FITTED.

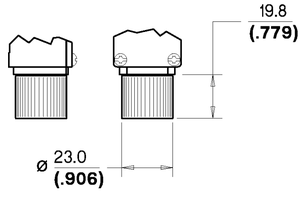
BLANK = LEVER TO FRONT, SWITCHING IN BOTH DIRECTIONS.

C021	CABLE 5 WIRE, WITH GROUND, LAST CHARACTER IS CABLE LENGTH 1 = 1MTR. CABLE LENGTHS ARE FROM 1 TO 9 METRES. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B' .
Q01	CONNECTOR , 4 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B' .
Q02	CONNECTOR , 5 PIN MICRO TWIN KEYWAY. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B' .
Q03	CONNECTOR , 4 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B' .
Q04	CONNECTOR , 5 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B' .
Q07	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:-
ANY STANDARD LISTING WITH SUFFIX 'RS' OR 'FE' IS PERMITTED.

FIG. 2



1/2" NPT X 14 CONDUIT THREAD ADAPTER

A

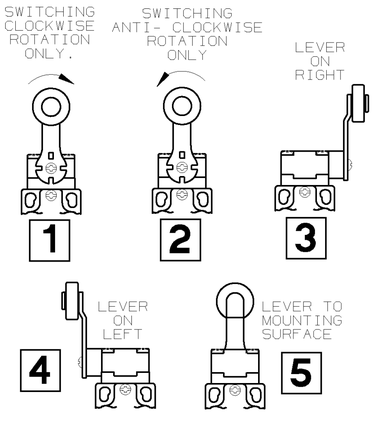



FIG. 3