Honeywell

LIMIT SWITCH

CATALOGUE LISTING
GLS

CHART NO.
MTG-GL-167

MTG-GL-167

REPLACES

DRAWING NUMBER A018-38

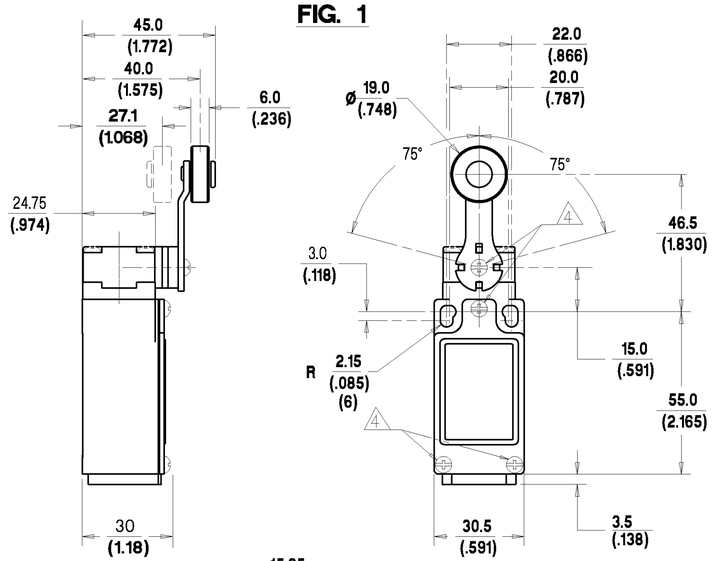
ISSUE 11

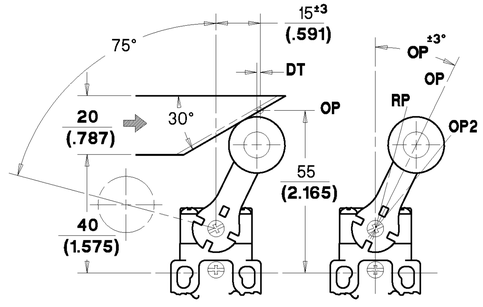
RELEASE NUMBER

REVISIONS

6	9/96
A018-275	
7	12/96
A018-293	
8	7/97
CO-000083	
9	8/97
CO-000106	
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

Datasheet Directory

	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		TEMP RANGE : -25°C TO 85°C / -13°F TO 185°F	CSA
	120 6	125 0.55	1V 10µA MIN.	STORAGE : -40°C TO 85°C / -40°F TO 185°F	IEC 947-5-1
	240 3	250 0.27	50V 100mA MAX.	SHOCK : 50G PER IEC 68-2-27	EN50047
				VIBRATION : 10G PER IEC 68-2-6	

THE COPYRIGHT OF THIS DRAWING IS THE PROPERTY OF HONEYWELL LTD. THE DRAWING IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED.

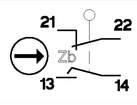
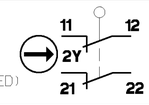
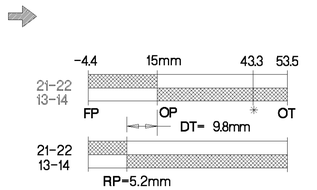
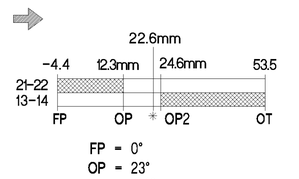
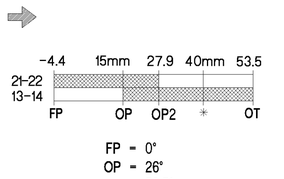
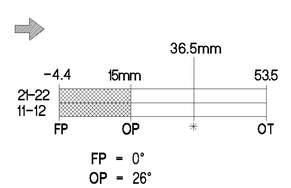
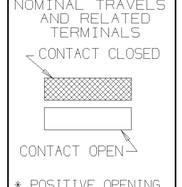
THIRD ANGLE PROJECTION

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

04 SIDE ROTARY ACTUATOR (SEE FIG.1)

BASIC SWITCH

CONDUIT THREAD (SEE FIGS.1 & 2)

ROLLER MATERIAL A = PLASTIC : B = METAL.

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

EN50047 BODY TYPE (SEE FIG. 1) → **GLC** X XX A1 X – X XXX ← MODIFICATION CODE

				A	1	C021
				B	2	Q01
					3	Q02
					4	Q03
					5	Q04
						Q07

- A = 1/2" NPT X 14 CONDUIT THREAD ADAPTER
- B = PG 13.5 CONDUIT THREAD
- C = M20 X 1.5 CONDUIT THREAD
- D = PF 1/2 CONDUIT THREAD

XX: 01, 03, 04, 06, 07, 33, 34, 36

A: B = BLANK = NO ROLLER FITTED.

1: 2 = 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'.

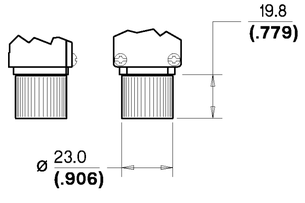
Q04 = CONNECTOR, 5 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

Q07 = CONNECTOR, 5 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

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

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

FIG. 2



1/2" NPT X 14 CONDUIT THREAD ADAPTER

A

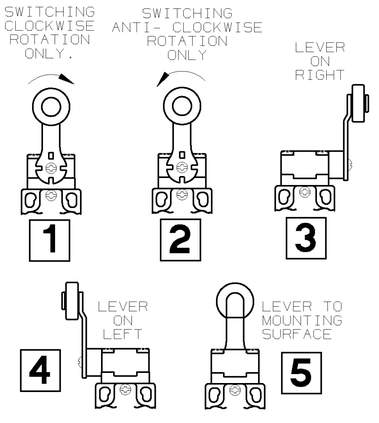



FIG. 3