Honeywell

LIMIT SWITCH

CATALOGUE LISTING
GLS

CHART NO.
MTG-GL-170

MTG-GL-170

REPLACES

DRAWING NUMBER A018-38

ISSUE 6

RELEASE NUMBER

REVISIONS	
5	9/96
A018-275	
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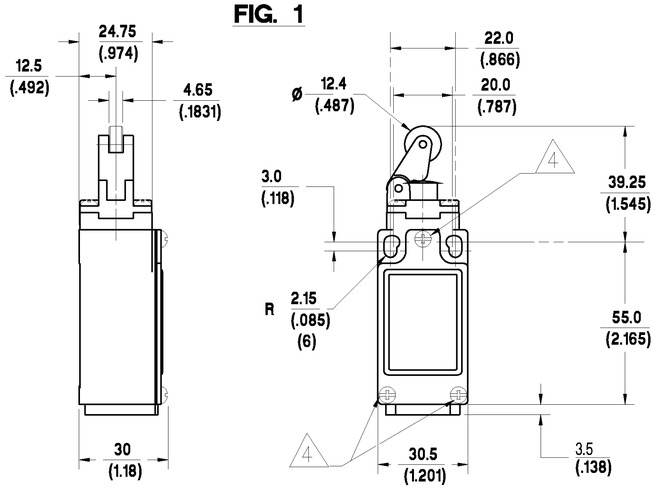
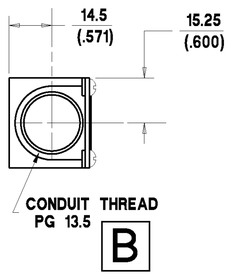
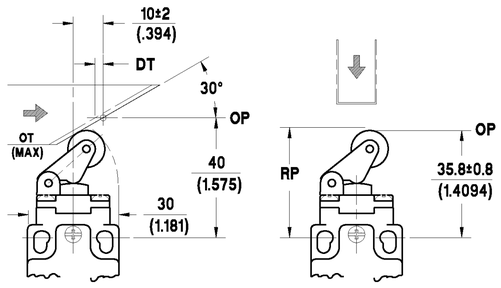
8	8/97
CO-000106	
9	CO/395
I WEIR 6/98	

FIG. 1





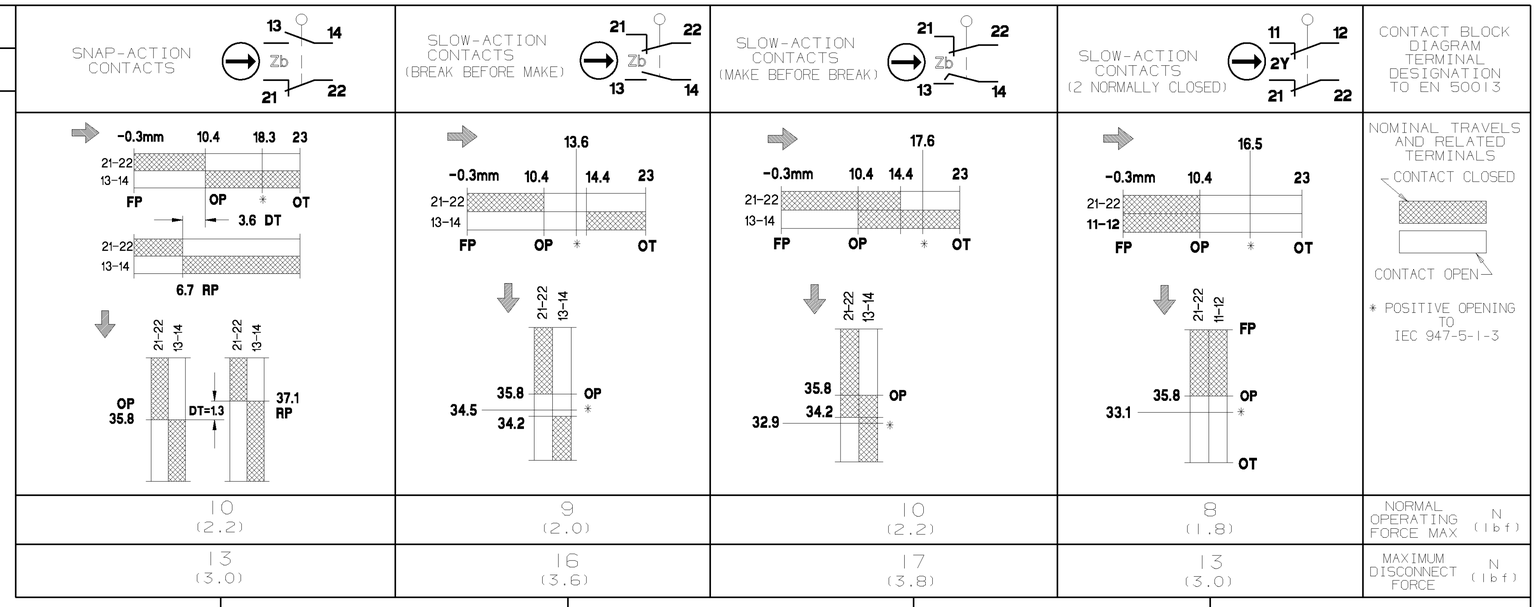


NOTES:-

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) = 1.0 MM/S
   MAXIMUM OPERATING VELOCITY (Vmax) = 100 MM/S
   MAXIMUM OPERATING FREQUENCY (Fmax) = 250 OPS/MIN
   (THESE LIMITS APPLY TO CAM OPERATION AS SHOWN IN THE 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



01 OR **07**

03 OR **33**

04 OR **34**

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

BASIC SWITCH

TOP ROLLER ARM ACTUATOR (SEE FIG.1)

CONDUIT THREAD (SEE FIGS.1 & 2)

ROLLER ORIENTATION (SEE FIG.3)

EN50047 BODY TYPE (SEE FIG. 1) — **GLC** **X** **XX** **D** – **X** **XXXX** — 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**

01 **03** **04** **06** **07** **33** **34** **36**

4 **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'.

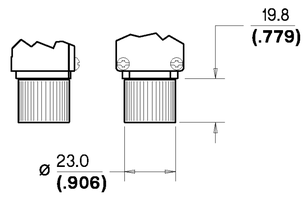
Q03 — CONNECTOR, 4 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

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.

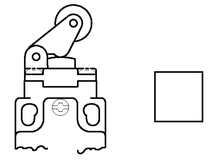
FIG. 2



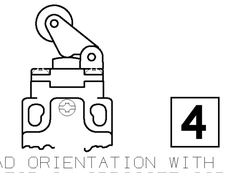
1/2" NPT X 14 CONDUIT THREAD ADAPTER

A

FIG. 3



BLANK = STANDARD HEAD ORIENTATION WITH HEAD PARALLEL TO MOUNTING SURFACE



4

HEAD ORIENTATION WITH ACTUATOR ON OPPOSITE SIDE FROM STANDARD.

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

	STANDARD SILVER CONTACTS		GOLD PLATED CONTACTS	ENVIRONMENTAL	APPROVALS
	ELECTRICAL RATING		ELECTRICAL RATING		
	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	
	240 3	250 0.27		SHOCK : 50G PER IEC 68-2-27	IEC 947-5-1
				VIBRATION : 10G PER IEC 68-2-6	EN50047

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THIRD ANGLE PROJECTION

SCALE 1:1

DIMENSIONS ARE IN MM/INCHES.

MODIFY ON CAD SYSTEM ONLY