

MTG-GL-194
 REVISIONS
 NUMBER
 RELEASE NUMBER
 A01B-194

REVISIONS
 01 3/96
 02 8/96
 03 12/96
 04 9/99
 05 11/99
 06 02/00
 07 10/00
 08 02/00
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Honeywell **LIMIT SWITCH** **GLS**
 CHART NO. **MTG-GL-194**

FIG. 1

Dimensions: 41 (162), 34 (134), 24.75 (874), 3.2 (125), 20.0 (787), 22.0 (866), 4.3 (171), 20-150 (0.8-6), 3.0 (118), 75°, 70°, 15.0 (551), 55.0 (2165), 3.5 (138), 30 (118), 14.5 (571), 15.25 (600), R 2.15 (085) (6), 26°, 23°, RP, OP, OP2.

CONDUIT THREAD PG 13.5 [B]

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}): 0.25 rad/s
 MAXIMUM OPERATING VELOCITY (V_{max}): 25 rad/s
 MAXIMUM OPERATING FREQUENCY (f_{max}): 250 OPS/MIN
 3. FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.
 Δ MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW: 0.5N_m (4.4in.LB)
 Δ MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW: 0.8N_m (7in.LB)

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

STANDARD SILVER CONTACTS	SOLD PLATED CONTACTS	ELECTRICAL RATINGS	ENVIRONMENTAL	APPROVALS
AC	DC	I _{th} 10A	IP66 NEMA 1, 4, 12, 13	
A300 AC15	D300 DC13		TEMP RANGE: -25°C TO 85°C	
120 5	125 0.55	1V 10A MIN.	STORAGE: -40°C TO 85°C	
240 5	250 0.27	50V 100mA MAX.	SHOCK: 50G PER IEC 68-2-27 VIBRATION: 10G PER IEC 68-2-6	

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

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
 0° 26° 54° to 75° 21-22 13-14 FP OP DT=115° OT 21-22 13-14 RP=14.5°	 0° 26° 39° to 75° 21-22 13-14 FP OP *OP2 OT	 0° 26° 39° 60.5° to 75° 21-22 13-14 FP OP *OP2 OT	 0° 26° 46.5° to 75° 21-22 11-12 FP OP OT	NOMINAL TRAVELS AND RELATED TERMINALS CONTACT CLOSED CONTACT OPEN * POSITIVE OPENING TO IEC 947-5-1-3
120 (11) 140 (13)	110 (10) 160 (15)	110 (10) 170 (15)	110 (10) 150 (14)	NORMAL OPERATING TORQUE N _{nom} (n.l.b.s) MAXIMUM DISCONNECT TORQUE N _{max} (n.l.b.s)

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

FIG. 2

1/2" NPT X 14 CONDUIT THREAD ADAPTER

FIG. 3

SWITCHING COUNTERCLOCKWISE ROTATION ONLY
 SWITCHING ANTICLOCKWISE ROTATION ONLY
 LEVER TO RIGHT
 LEVER TO LEFT
 LEVER TO BOTH SURFACES

CONNECTION DIAGRAMS:

EN50047 BODY TYPE (SEE FIG. 1): GLC, X, XX, A4J, X, XXXX

MODIFICATION CODE: 1, 2, 3, 4, 5, C021, Q01, Q02, Q03, Q04, Q07

CONDUIT THREAD: PG 13.5

1/2" NPT X 14 CONDUIT THREAD ADAPTER: A, B, C, D

M20 X 1.5 CONDUIT THREAD: 01, 03, 04, 06, 07, 33, 34, 36

PF 1/2 CONDUIT THREAD: 01, 03, 04, 06, 07, 33, 34, 36

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

NOTE: FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL INFORMATION SEE DRAWING GL-45212.