

566-251

LS-4 SERIES
CHART 1

M

DRAWING
NUMBER

18

ISSUE

REVISIONS

18 28.6.90

MS1507

CHECK

RELEASE NUMBER MSEN32-5

REPLACES METRIC LS SERIES -- CHART 1.

Honeywell

SWITCH ENCLOSED

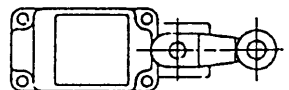
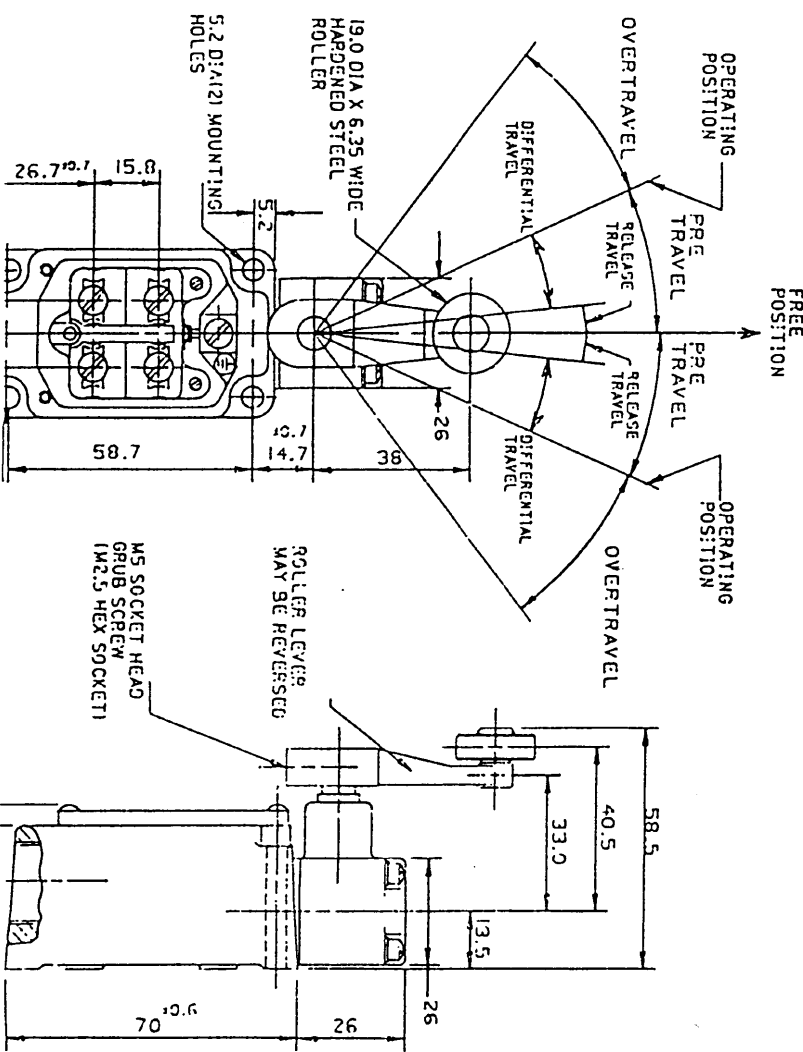
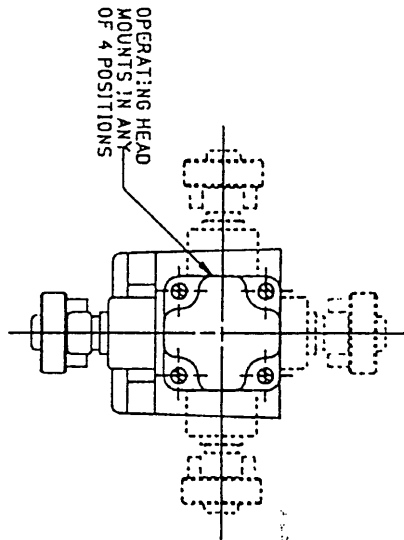
CATALOGUE LISTING

LS-4 SERIES

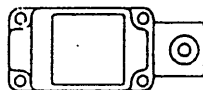
CHART 1

NOTES:-

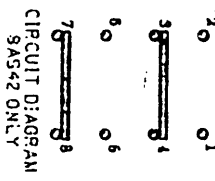
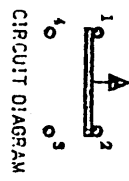
1. ALUMINIUM HOUSING AND COVER FINISHED IN GREY PAINT
2. THIS SWITCH IS ASSEMBLED FOR ACTUATION IN EITHER DIRECTION
3. TO CONVERT SWITCH FOR ACTUATION IN EITHER THE CLOCKWISE OR COUNTER CLOCKWISE DIRECTION ONLY REMOVE THE ACTUATOR HEAD AND ROTATE THE NOTCHED PLUNGER 90° TO THE RIGHT FOR CLOCKWISE ACTUATION OR 90° TO THE LEFT FOR COUNTER CLOCKWISE ACTUATION.
4. ROLLER LEVER MAY BE LOCKED IN ANY POSITION THROUGH 360°
5. A CHOICE OF THREE CONDUIT THREADS IS AVAILABLE.
LISTINGS WITH "4C" SUFFIX HAVE 20MM TO BS.4563 CONDUITS
(SEE CHART OPPOSITE)
FOR PG 11 CONDUIT SUFFIX THE LISTING 4PG 11 (E.G. 1LS1-4PG 11)
FOR PG 13.5 CONDUIT SUFFIX THE LISTING 4PG 13.5 (E.G. 1LS1-4PG 13.5)
6. IT IS ESSENTIAL TO PREVENT ENTRANCE OF HARMFUL AGENTS THROUGH THE CONDUIT OPENING TO OBTAIN THE FULL BENEFIT OF THE SEALED CONSTRUCTION PROVIDED IN THIS UNIT.
7. LEVER FURNISHED UNASSEMBLED IN UNIT PACKING BOX.
8. PROPRIETARY - K.W.U. ONLY.
9. GOLD ALLOY CONTACTS: 1- STATIONARY 75% AU, 25% AG
2- MOVING 72% AU, 26% AG, 2% NI
10. NO ROLLER.
11. SPECIAL EARTH AND TERMINAL SCREWS.



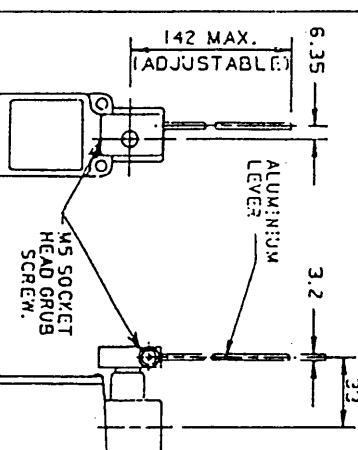
FORCES MEASURED AT 38MM RADIUS.



NO ACTUATOR FORCES MEASURED AT 38MM RADIUS.



SEE NOTE 11



REMARKS

BASIC SWITCH

0.1% FORCE

NYLON ROLLER ST. ST. SCREWS

2XN1-M

1.815 KMAX

SOLDER TERMINALS

9AS42-28

1.815 KMAX

HIGH TEMP. CONSTRUCTION

2XN2-M

1.815 KMAX

HIGH TEMP. CONSTR.

2XN2

1.815 KMAX

HIGH TEMP. CONSTR.

2XN2-F1

1.815 KMAX

GOLD CONTACTS NYLON ROLLER ST. ST. SCREWS

2XN1-M

1.815 KMAX

HIGH TEMP. CONSTR.

2XN2-M

1.815 KMAX

HIGH TEMP. CONSTR.

2XN2-M

1.815 KMAX

HEAD ASSY. ROTATED 180°

2XN9-M

1.815 KMAX

NO O-RING ON SHAFT.

2XN9-M

1.815 KMAX

HIGH TEMP.

9AS42-23

1.815 KMAX

HIGH TEMP.

2XN2-F1

1.815 KMAX

TO WORK AT -40°C

2XN1-M

0.56 KMAX

LOW FORCE HEAD ASSEMBLY

9AS42-28

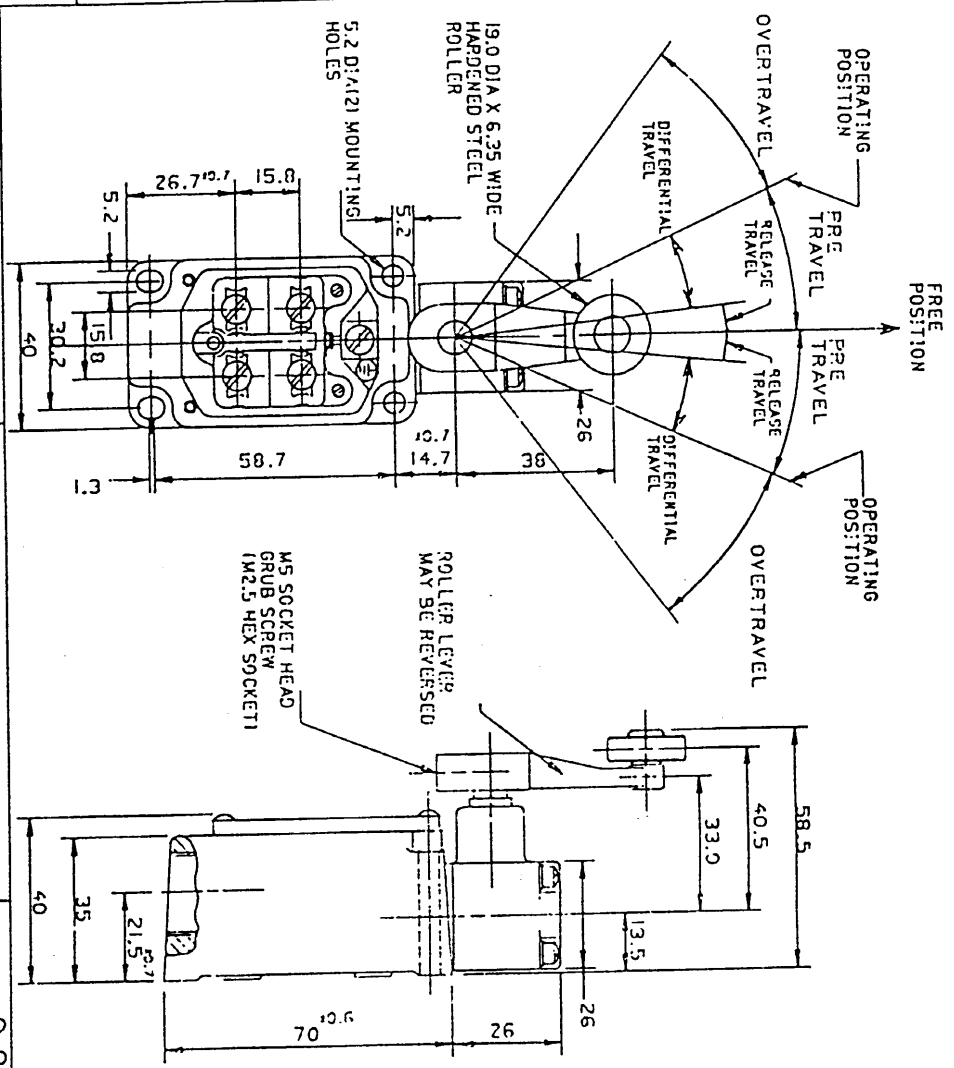
1.815 KMAX

NO ROLLER.
SPECIAL EARTH AND TERMINAL SCREWS.

REP	RELEASE NUMBER	MSEN32-5
DRAWING NUMBER	18	ISSUE

REVISIONS
MS1507
28.6.90

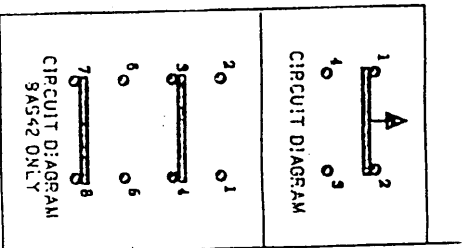
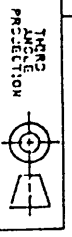
6.2.89	TRACED	CHECK	DRAWN	!W
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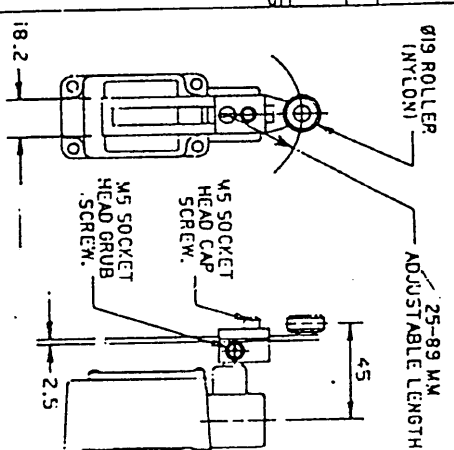
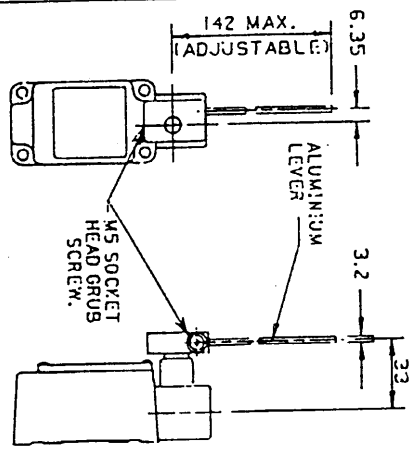
CHARACTERISTICS

OPERATING FORCE	FIG NO.1	FIG NO.4	FIG NO.2
DIFFERENTIAL FORCE	120-240 OR 480VAC	48VDC, 0.005A	10A - 125 OR 250VAC
RELEASE FORCE	1/2HP - 120VAC; 3/4HP - 240VAC	FIG NO.3	FIG NO.2
PRETRAVEL	0.9A - 115VDC; 0.4A - 230VDC	220V - 0.4A	10A - 125 OR 250VAC
DIFFERENTIAL TRAVEL	0.1A - 550VDC	24V - 1A	1/2HP - 125VAC
OVERTRAVEL		6V - 5A	
FREE POSITION			

THE LOCATION OF THE ROLLER IS THE RESULT OF THE LOCATION OF THE ROLLER AND THE LOCATION OF THE ROLLER IS THE RESULT OF THE LOCATION OF THE ROLLER



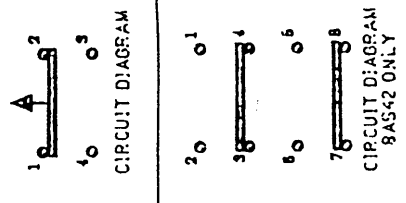
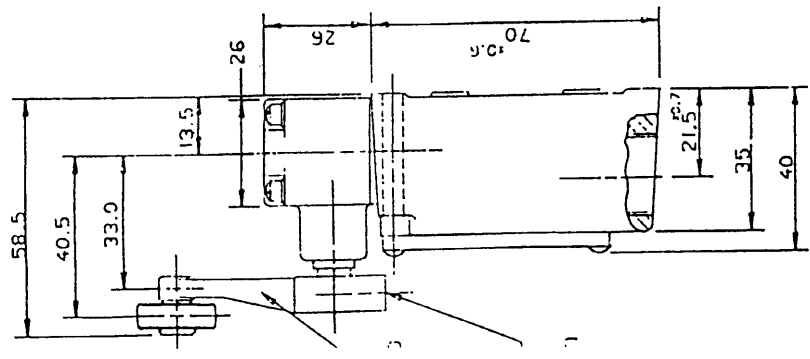
NO ACTUATOR FORCES MEASURED AT 38MM RAD:0.2.



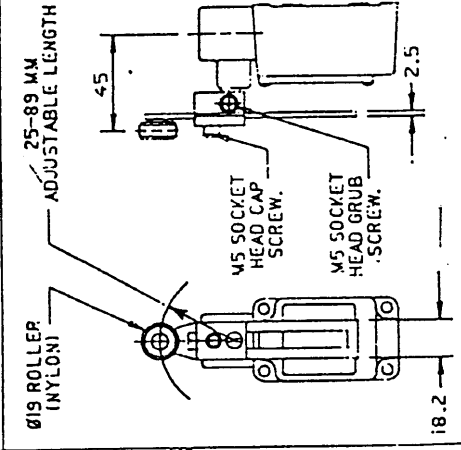
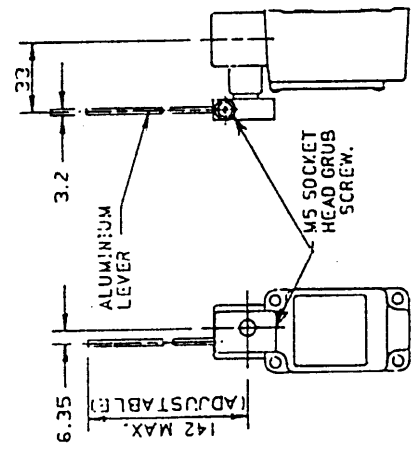
HEAD ASSY. ROTATED 180°	24N8-M	1.815	1.815
NO O-RING ON SHAFT	24N8-M	1.815	1.815
HIGH TEMP.	24N2-E1	1.815	1.815
HIGH TEMP.	24N9-MNS	1.815	1.815
HIGH TEMP.	24N2-H2	1.815	1.815
TO WORK AT -40°C	24N1-M	1.815	1.815
NO O-RING ON SHAFT	24N1-M	1.815	1.815
10W FORCE HEAD ASSEMBLY	24N1-M	1.815	1.815
FORCES AT 38.1 MMR	24N1-M	1.815	1.815
FORCES AT 38.1 MMR	24N1-M	1.815	1.815

2- MOVING 72% AU, 26% AG, 2% N

ROLLER.
IAL EARTH AND TERMINAL SCREWS.



SEE NOTE A



SCALE 0.8	
FIG NO.4	TOLERANCES UNLESS OTHERWISE STATED ±0.2
FIG NO.3	20V - 0.4A 4V - 1A 5V - 5A
FIG NO.2	0A - 125 OR 50VAC 125VAC

24N8-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	KMIN	KMAX	2	10537	1	1LS56-4PON141
24N1-M	0.75 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	1	M5-EN32-C	4	1LS2-4C
24N1-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	0.56 KMAX	1	M5-EN32-C	4	1LS23-4C
24N8-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 KMIN	1.36 KMAX	2	M5-EN32-C	4	1LS27-4C
24N8-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.057 KMIN	0.29 KMAX	2	M5-EN32-C	4	1LS55-4C
24N8-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 KMIN	1.36 KMAX	2	M5-EN32-C	4	1LS9-4C
24N1-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	5	1LS2-4CN16
8AS42-2B	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 KMIN	1.36 KMAX	3	M5-20216	5	1LS2-4C
24N2-F1	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	0.56 KMAX	2	M5-1152	1	1LS224-4PON149
24N8-MN5	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.350 KMIN	1.50 KMAX	3	M5-10375	3	1LS224-4PON36
24N2-M2	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-20216	5	1LS2-4C
24N1-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	4	1LS47-4C
24N8-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	5	1LS10-4CN14
24N1-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	4	1LS10-4PON18
24N1-M	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	4	1LS10-4CN10
8AS42-2B	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	5	1LS10-4C
8AS42-2B	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 KMIN	1.36 KMAX	2	M5-EN32-C	1	1LS10-4C
FORCES AT 38.1 MMR	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 KMIN	1.36 KMAX	1	M5-EN32-C	4	1LS3-4C
FORCES AT 38.1 MMR	1.815 KMAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 KMIN	1.36 KMAX	1	M5-20220	1	1LS3-4PON145