

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

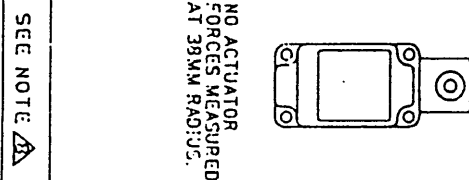
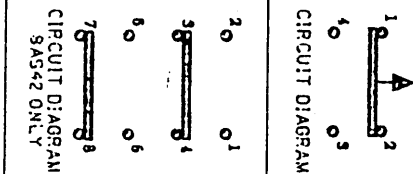
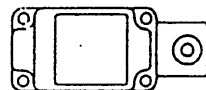
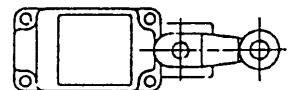
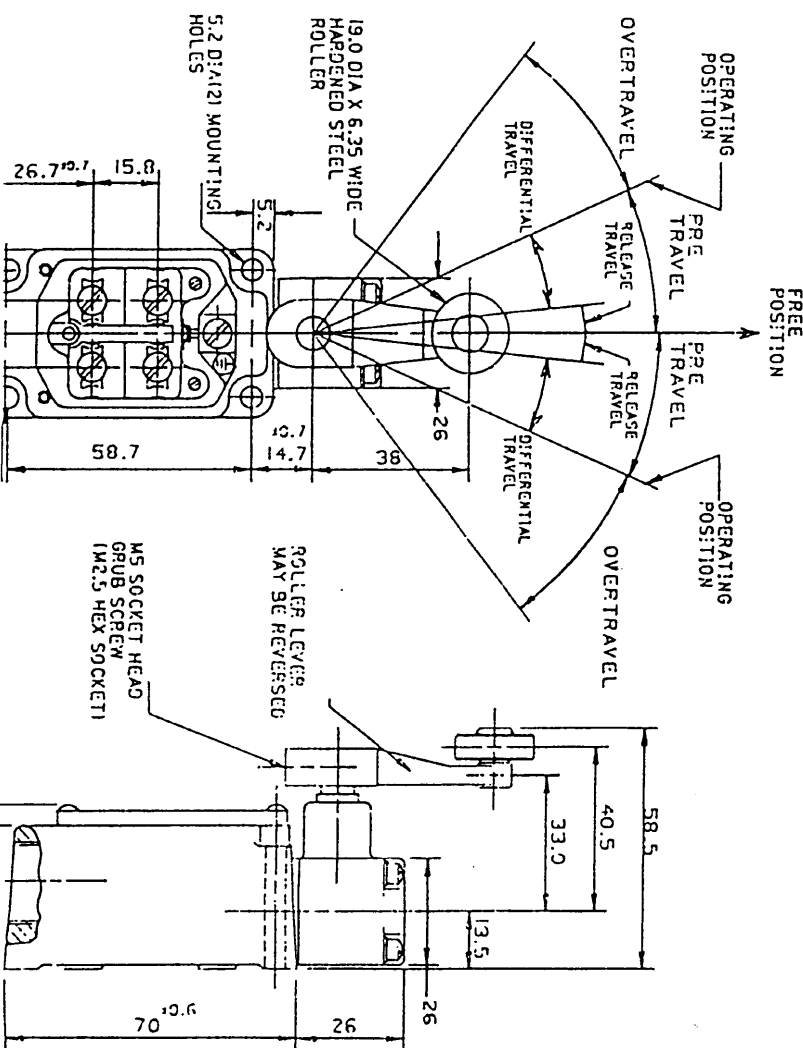
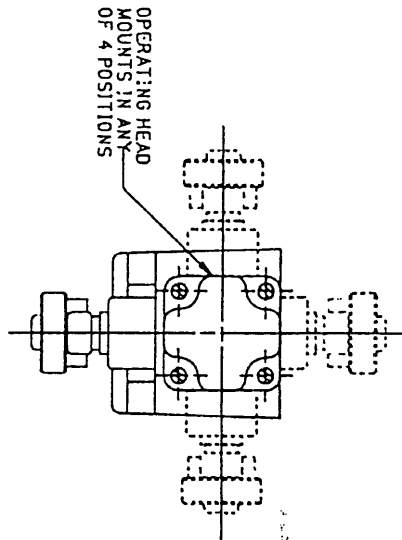
CATALOGUE LISTING

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)
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.



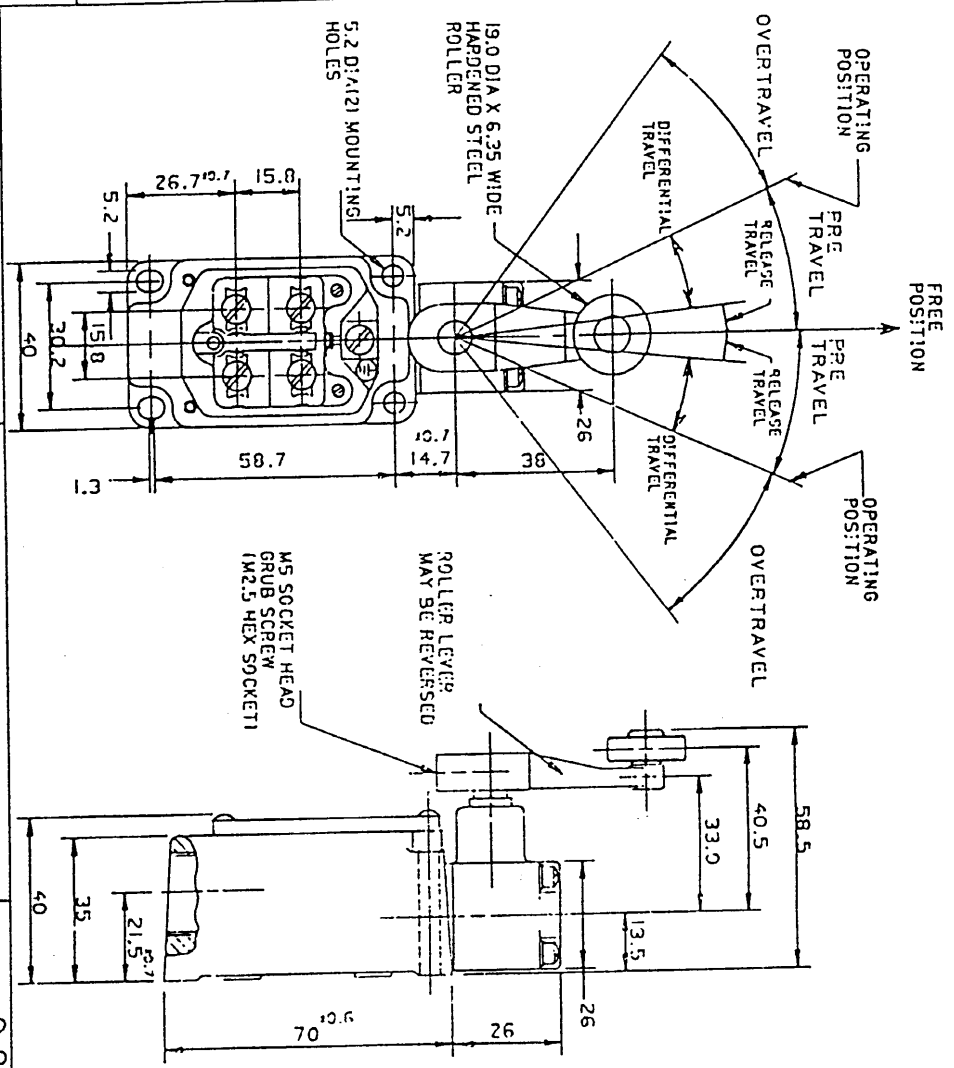
REMARKS	BASIC SWITCH	0.1 FORCE
NYLON ROLLER ST. ST. SCREWS	2XN1-M	1.815 KMAX
SOLDER TERMINALS	9AS42-28	1.815 KMAX
	2XN2-M	1.815 KMAX
HIGH TEMP. CONSTRUCTION	2XN24	1.815 KMAX
HIGH TEMP. CONSTR. VITON A O-RINGS	2XN24	1.815 KMAX
HIGH TEMP. GOLD CONTACTS	2XN24-F1	1.815 KMAX
NYLON ROLLER ST. ST. SCREWS	2XN1-M	1.815 KMAX
HIGH TEMP. CONSTR. GOLD PLATED CONTACTS	2XN24-M3	1.815 KMAX
HIGH TEMP. CONSTR. VITON A O-RINGS	2XN24	1.815 KMAX
	2XN9-M	1.815 KMAX
	2XN1-M	1.815 KMAX
HEAD ASSY. ROTATED 180°	2XN9-M	1.815 KMAX
	2XN9-M	1.815 KMAX
NO O-RING ON SHAFT.	2XN1-M	1.815 KMAX
	9AS42-23	1.815 KMAX
HIGH TEMP.	2XN24-F1	1.815 KMAX
	2XN9-MNS	
HIGH TEMP.	2XN24-M2	0.4 KMAX
	2XN1-M	0.2 KMAX
	2XN9-M	0.115 KMAX
TO WORK AT -40°C	2XN1-M	0.56 KMAX
NO O-RING ON SHAFT	2XN1-M	1.815 KMAX
LOW FORCE HEAD ASSEMBLY	9AS42-23	1.815 KMAX
	8AS42-28	

NO ROLLER.
SPECIAL EARTH AND TERMINAL SCREWS.

REP	RELEASE NUMBER	MSEN32-5	DRAWING NUMBER	M
			ISSUE	18

REVISIONS	MS1507
28.6.90	

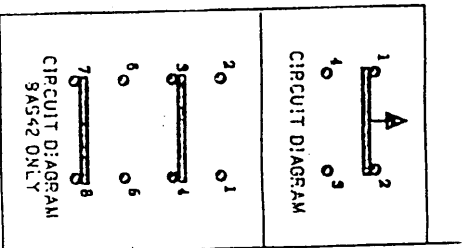
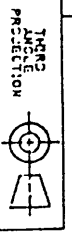
DRAWN	!W	6.2.89	TRACED	CHECK
-------	----	--------	--------	-------



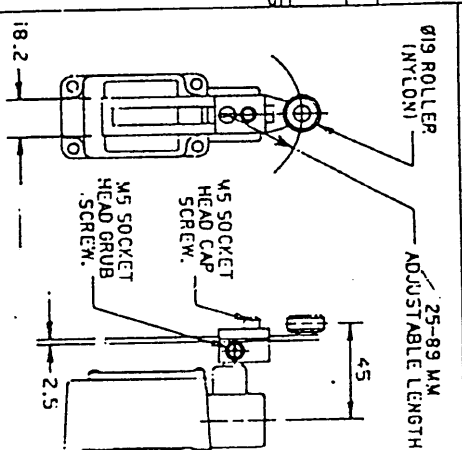
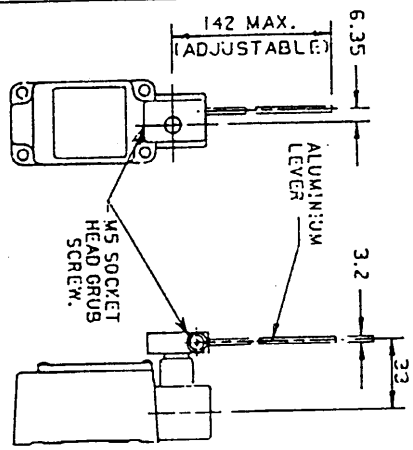
CHARACTERISTICS

OPERATING FORCE	FIG NO.1	CONTACT ARRANGEMENT	FIG NO.4	BREAK DISTANCE	FIG NO.3	FIG NO.2	FIG NO.1
DIFFERENTIAL FORCE	1/24V-120VAC; 3/4V-240VAC;	SEE CIRCUIT DIAGRAM	48VDC, 0.0054	OTHERWISE STATED	220V - 0.4A	10A - 125 OR 250VAC	1/24V-120VAC; 3/4V-240VAC;
RELEASE FORCE	0.9A-115VDC; 0.4A-230VDC				24V - 1A	1/24V-120VAC; 3/4V-240VAC;	
PRETRAVEL	0.1A-550VDC				6V - 5A	1/24V-120VAC; 3/4V-240VAC;	
DIFFERENTIAL TRAVEL							
OVERTRAVEL							
FREE POSITION							

THE LOCATION OF THE CONTACTS IS THE PROPERTY OF THE USER AND NOT FOR SALE OR REUSE.



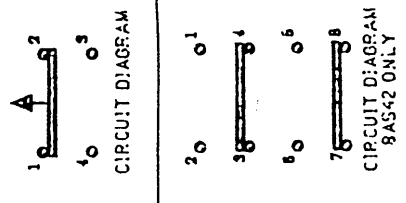
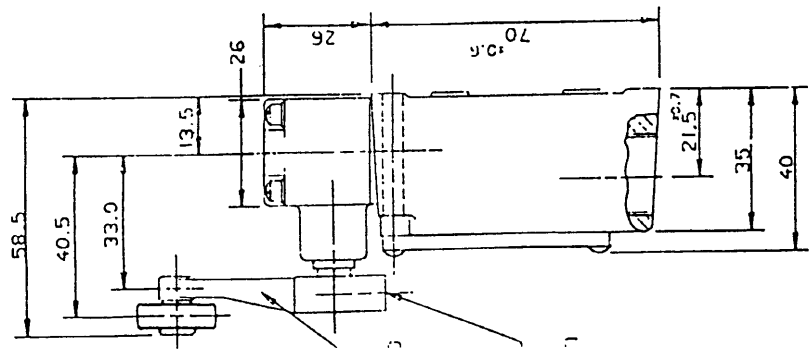
SEE NOTE



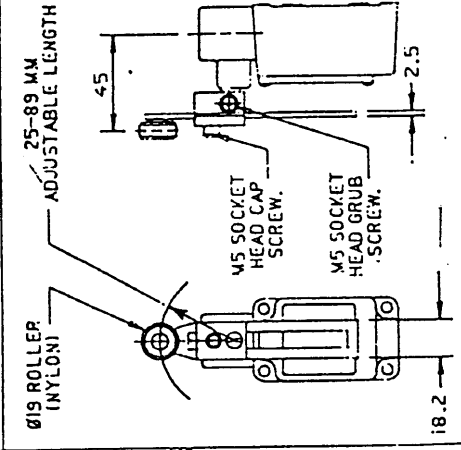
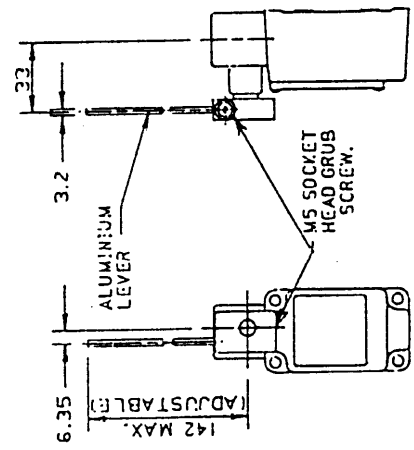
HEAD ASSY. ROTATED 180°	24N8-M	1.815	1.815
NO O-RING ON SHAFT	24N8-M	1.815	1.815
HIGH TEMP.	24N2-E1	1.815	1.815
HIGH TEMP.	24N9-MNS	1.815	1.815
HIGH TEMP.	24N2-H2	1.815	1.815
TO WORK AT -40°C	24N1-M	0.56	0.56
NO O-RING ON SHAFT	24N1-M	1.815	1.815
10W FORCE HEAD ASSEMBLY	8AS42-28	1.815	1.815
FORCES AT 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 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	K/MIN	K/MAX	2	10537	1	1LS56-4PON141
24N1-M	0.75 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.36 K/MAX	1	M5-EN32-C	4	1LS2-4C
24N1-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	0.56 K/MAX	1	M5-EN32-C	4	1LS23-4C
24N8-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.36 K/MAX	2	M5-EN32-C	4	1LS27-4C
24N8-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	0.29 K/MAX	2	M5-EN32-C	4	1LS55-4C
24N8-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.36 K/MAX	2	M5-EN32-C	4	1LS9-4C
24N1-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	0.227 K/MAX	1	CN-21034	5	1LS2-4CN16
8AS42-2B	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.36 K/MAX	2	CN-21034	5	1LS2-4C
24N2-F1	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.36 K/MAX	3	M5-20216	1	1LS224-4PON14
24N8-MN5	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	0.56 K/MAX	2	M5-1152	1	1LS56-4PON149
24N24-12	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.075 K/MIN	1.50 K/MAX	3	M5-10375	3	1LS224-4PON36
24N1-M	0.4 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.028 K/MIN	0.142 K/MAX	1	M5-EN32-C	4	1LS10-4C
24N8-M	0.2 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.028 K/MIN	0.142 K/MAX	2	M5-EN32-C	4	1LS47-4C
24N11-M	0.115 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.007 K/MIN	0.028 K/MAX	1	CN-21034	5	1LS10-4CN14
24N1-M	0.56 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.057 K/MIN	0.454 K/MAX	1	M5-EN32-C	4	1LS10-4PON18
24N1-M	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.028 K/MIN	0.227 K/MAX	1	M5-EN32-C	4	1LS10-4CN10
8AS42-2B	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.028 K/MIN	0.142 K/MAX	2	CN-21034	5	1LS10-4C
8AS42-2B	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.057 K/MIN	0.29 K/MAX	2	M5-11350	1	1LS10-4PON153
FORCES AT 38.1 MMR	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 K/MIN	1.362 K/MAX	1	M5-EN32-C	4	1LS3-4C
FORCES AT 38.1 MMR	1.815 K/MAX	5" MIN.	20" MAX.	30" MIN.	12" MAX.	0.227 K/MIN	1.362 K/MAX	1	M5-20220	1	1LS3-4PON145