



Application

Cranes

Products Used

2006

Problem

OEMs and users of large cranes need to make sure that they control the end limits of the hoist travel. This prevents damage to the hook and cable drum assembly as well as the motor.

Solution

We installed a 2006 Rotary Cam Limit Switch off of the cable drum to monitor the hoist travel and set the upper and lower limits to prevent overtravel.

Benefits

- Safety
- Prevents accidental overtravel
- Prevents damage to motor and drive mechanism

Conclusion

A simple mechanical Rotary Cam Limit Switch can save hundreds or thousands of dollars and prevent hours of downtime due to overtravel.



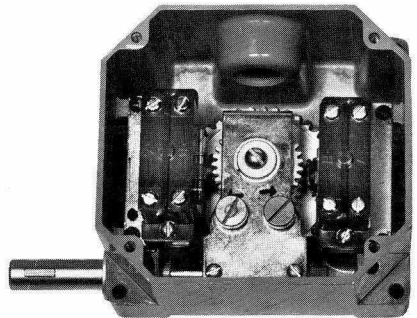
Type K Rotary Limit Switches

TWO (2) CIRCUIT ROTARY LIMIT SWITCH CATALOG NUMBERING SYSTEM

2006 — **402** — **L** — **5** — **A**

CATALOG SECTION

Two (2) Circuit
NEMA 4 Enclosure



CROSS REFERENCE 2 CIRCUIT ROTARY LIMIT SWITCH	
CUTLER HAMMER PART NO.	GEMCO PART NO.
10316H-155-1	2006-402-L-120-A
10316H-156-1	2006-402-L-60-A
10316H-157-1	2006-402-L-40-A
10316H-167-1	2006-402-L-357-A
10316H-169-1	2006-402-L-1080-A
10316H-179-1	2006-402-R-120-A
10316H-180-1	2006-402-R-60-A
10316H-181-1	2006-402-R-40-A
10316H-1016-1	2006-402-L-10-A
10316H-1017-1	2006-402-L-20-A
10316H-1018-1	2006-402-R-10-A
10316H-1019-1	2006-402-R-20-A
10316H-4556-1	2006-402-L-5-A
10316H-4557-1	2006-402-L-30-A
10316H-4559-1	2006-402-L-80-A
10316H-4560-1	2006-402-R-5-A
10316H-4561-1	2006-402-R-30-A
10316H-4563-1	2006-402-R-80-A
10316H-4591-1	2006-402-R-357-A
10316H-4595-1	2006-402-R-1080-A
10316H-4599-1	2006-402-L-270-A
10316H-4606-1	2006-402-R-270-A

SWITCH TYPE	
A	All S.P.D.T.
B	1-D.P.D.T., Balance S.P.D.T.
C	2-D.P.D.T.,
R	1950-1408 (Quick Reset)

All Switches have Isolated Contacts
S.P.D.T. 1 NO—1 NC Contacts
D.P.D.T. 2 NO—2 NC Contacts

RATIO	
5	5:1
10	10:1
20	20:1
30	30:1
40	40:1
60	60:1
80	80:1
120	120:1
270	270:1
357	357:1
1080	1080:1

SHAFT EXTENSION	
L*	Left Hd. Shaft Ext.
R	Right Hd. Shaft Ext.

* Available from stock

"L" SHAPE BRACKET

When "L" Shape Bracket is purchased, use

CATALOG NUMBER	
C-6131-B (2 circuit unit)	
C-6132-B (4 circuit unit)	

APPROXIMATE DIMENSIONS AND SHIPPING WEIGHTS FOR 2 AND 4 CIRCUIT UNITS

Circuits	Dimensions in Inches					Lbs. Boxed
	A	B	C	D	E	
2 Circuit Enclosure	4 $\frac{1}{8}$	4 $\frac{1}{2}$	2 $\frac{5}{8}$	4 $\frac{3}{8}$	5 $\frac{1}{4}$	3
4 Circuit Enclosure	6 $\frac{1}{8}$	① 5	3 $\frac{3}{8}$	6 $\frac{1}{8}$	5 $\frac{7}{32}$	4 $\frac{1}{2}$

① Includes half inch hub extension.

LEFT HAND EXTENSION SHOWN
(“L” shape mounting bracket, when purchased separately, is shown in some of the possible mounting positions by broken lines.)

