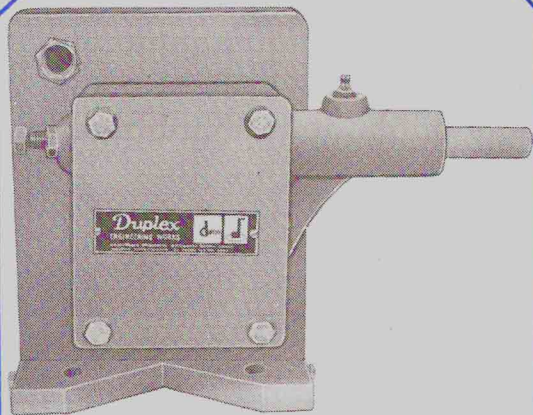
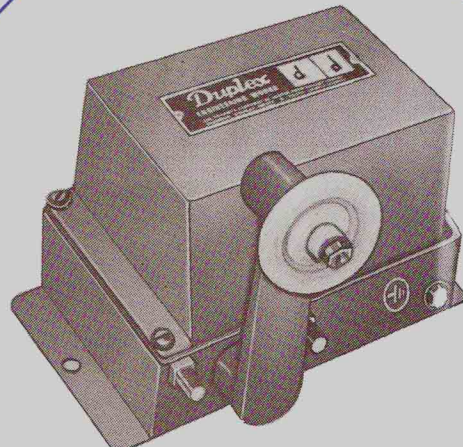


Duplex

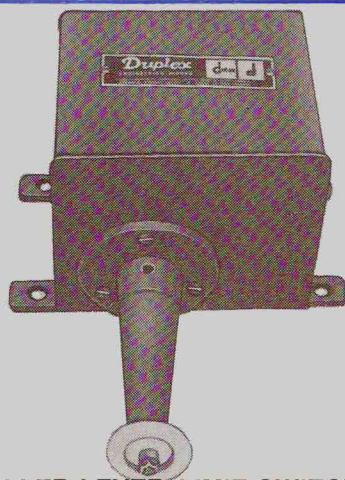
LIMIT SWITCHES



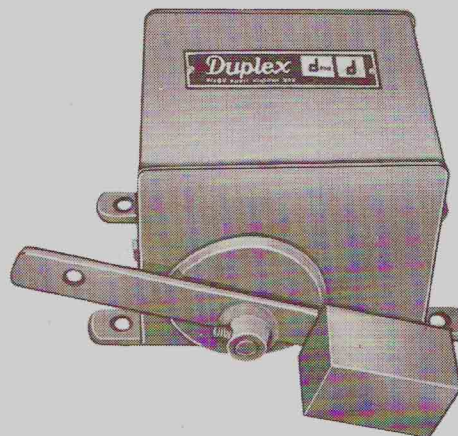
GEARD ROTARY LIMIT SWITCHES
TYPE G.R.L.S.



ROLLER LEVER LIMIT SWITCHES
TYPE S.L.S.



ROLLER LEVER LIMIT SWITCHES
TYPE S.H.L.S.



COUNTER WEIGHT L.S.
TYPE: HLS

DUPLEX ENGINEERING WORKS

HOIST LIMIT SWITCH TYPE C.W.T.:

Limit Switch to prevent over hoisting will remain normally 'ON' due to the weight connected to the lever. When the Snatch block reaches the highest position the weight pulling the lever down is moved up on the snatch block. The Lever is therefore released and the two contacts cut-off. Two phases of the motor thereby stopping the hoisting Motion. The Limit Switch automatically resets when the snatch block is lowered.

The Limit Switch is suitable for 440 volts A. C. 50 cycles supply system. This Limit Switch is of shunt type and the contacts are rated for 40 amps and 60 Amps for series type.

GEARED LIMIT SWITCH FOR HOIST DRIVE TYPE G.R.L.S. :

Heavy Duty Type Limit Switches have a gear ratio of 48 : 1 (36 : 1 or any desired ratio) and contact rating 600 Watts inductive at 600 Volts A.C. 50 cycles with keywayed shaft extension suitable for flexible coupling. The Limit Switch will be dustproof and weather proof. The Limit Switch will be rotary type suitable for left/right hand operation. The Limit Switch has two contacts. One contact cuts off power supply to the coil circuit of the hoist or forward contactor and the other contact cuts off power to the Down or Reverse contactor. The contacts are automatically rest in the reverse direction. The Limit Switch shaft can be directly coupled to the winch drum or chain or gear drive according to individual requirement.

TWO WAY SERIES SWITCH TYPE 2WLS FOR C.T. AND L.T. DRIVE :

Limit Switch to prevent over travel or traverse will normally remain closed and will cut off power and stop the motion only when it reaches a pre-determined

position, when the lever is moved over projecting member fixed to the Gantry The Limit Switch is of series type fitted with two sets of contacts which cut off two phases of the motor in either direction and are suitable for 440 Volts A. C. 50 cycles supply. Limit Switch Contacts are automatically reset when the lever returns to 'Zero' position due to spring action. Contacts are rated for 60 Amps. The side covers are of cast Iron. The top and bottom covers are Sheet Steel. The lever is steel fitted with roller.

TWO WAY SHUNT LIMIT SWITCH TYPE S.L.S. AND SHLS FOR C.T. AND L.T. DRIVES :

Two way Shunt Limit Switch is also to prevent over travel or over traverse. The Limit Switch is fitted with 2 numbers of silver cadmium bimetal (cladcon) tipped contacts which remain normally closed and supply power to the contactor coil in control panel. When the lever is moved over a projecting member fixed at a pre-determined position on either side of the gantry, the power supply to the contactor coil is cut off. The contacts are rated for 10 amps. at 440 Volts A. C. 50 cycles supply system.

CONSTRUCTION:

The housing of the limit switches is made of heavy gauge sheet steel suitably reinforced to give exceptional rigidity which is essential for satisfactory operation. The shaft is mounted in the housing on moulded bushes (bearing) of synthetic material fixed to the front and rear walls. These bearing do not require any lubrication whatsoever. The cams themselves are moulded from the highest quality melamine and are accurately cut to correspond to the switching sequence. The Cams have an exceptionally long life.

DUPLEX ENGINEERING WORKS

224, Acharya Com. Centre, Dr. C. G. Road,
Chembur, Mumbai - 400 074.
Tel.: 2556 5510, 2551 3856
Fax : 022-2556 5510.
E-mail : duplex84@hotmail.com