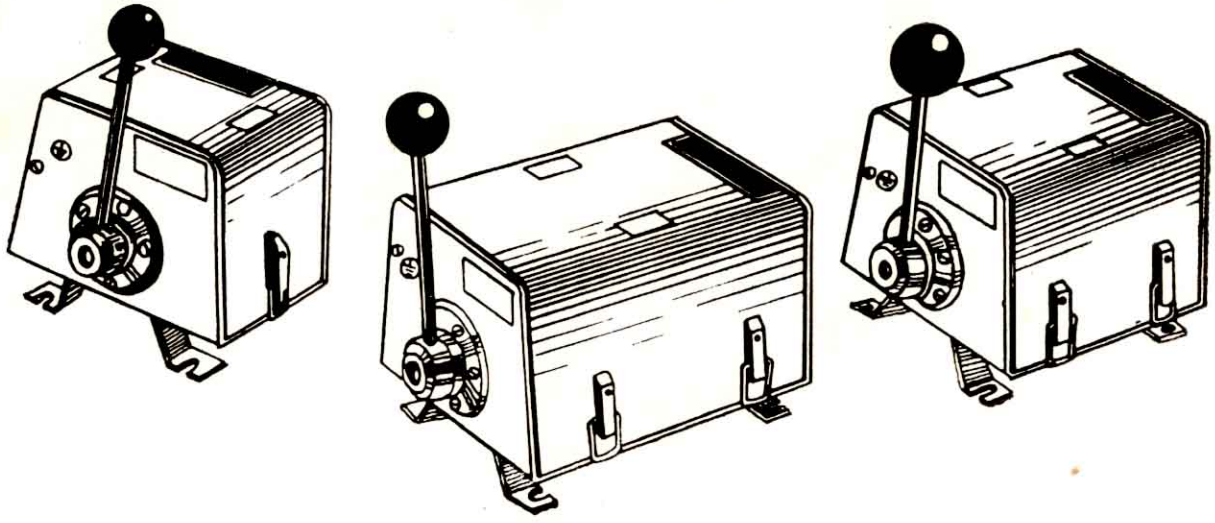
Duplex MASTER CONTROLLERS



TECHNICAL DESCRIPTION
CAM/MASTER CONTROLLERS

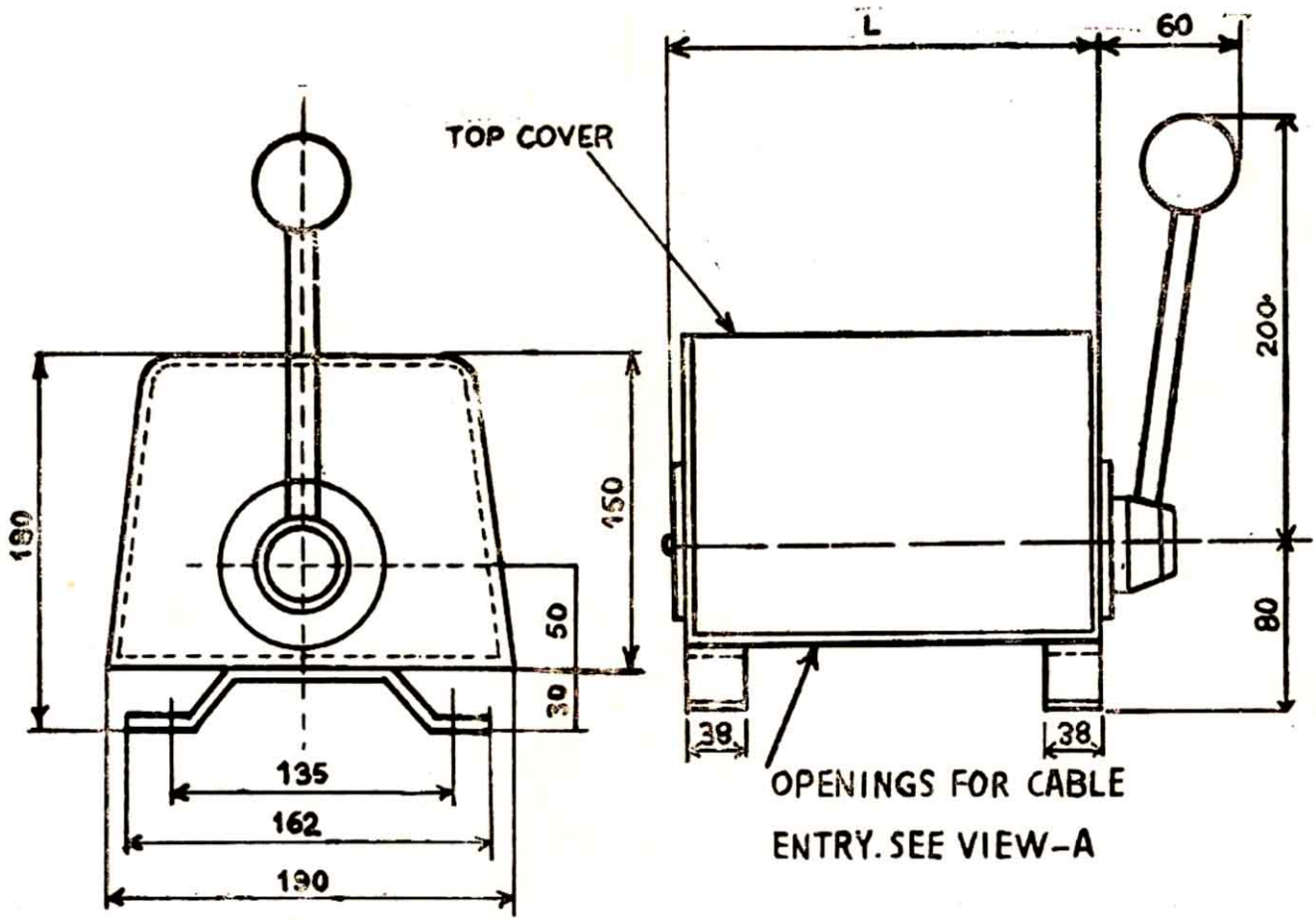
APPLICATION These Controllers are suitable for operation of Heavy Duty EOT Cranes and Rolling Mill Drives, on Power and Control Circuits upto 500 V. A. C. 50 cycles at 40A continuous current. When used as Master Controller the maximum permissible frequency of operation is 1000 switchings per hour. When used as Cam Controllers, the maximum permissible frequency of operation at rated current is 720 operation per hour.

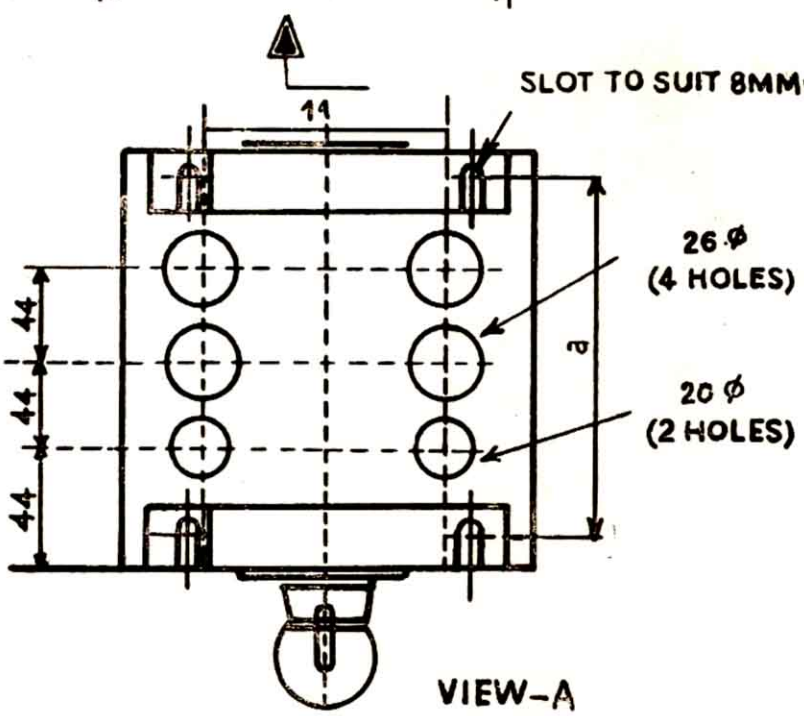
BASIC SPECIFICATION : Heavy Duty. Reversing Air Break Cam Controller/Master with joystick operating handle Maximum working voltage 500V A. C. 3 phase 50 cycles. Maximum continuous current 40 amps maximum number of notches 6 on either side. A great number of notches can be provided for special purpose controllers if so required.

CONSTRUCTION : The housing of controllers is made of heavy gauge sheets steel suitably reinforced to live exceptional rigidity which is essential for satisfactory operation. The Cam Shaft is mounted in the housing, on moulded bushes (bearing) of synthetic material fixed to the front and rear Walls. These bearings do not required 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 exceptionaly long life.

SWITCHING ELEMENT : The body of the switching elements is made of high grade Melamine which is specially suited for heavy duty. The material is non-tracking and is capable of withstanding heavy arcing. The contacts themselves are made from high grade silver cadmium alloy which are continuously rated upto 40 amps. Those contacts can interrupt a current of 70 amps at 500V a/c. when fitted with arc barriers between adjacent contacts

SWITCHING CAPACITY : The same switching elements are used in both. Cam Controllers and Master Controllers. The switching capacity of the contacts when used for Master Controller operation is 15 amps at 440 a/c. on highly inductive loads and 2,5 amps on 220V DC when handling inductive loads. These switching capacities are far in excess of those actually required in practice, as such, replacement of Contacts for master Controllers may not be necessary.





SIZE	L	a	No. OF CAMS
1	135	105	6
2	195	165	12
3	245	215	18

NO. OF CABLE ENTRIES

SIZE	20 ϕ	26 ϕ	
1	2	2	
2	2	4	
3	2	6	

INSTALLATION DIMENSIONS OF CAM/MASTER CONTROLLERS