

UNDER DK. 6/51
Managers bite here hd.
s.s. "CITY OF VENICE".

IT IS SUBMITTED the Manchester Surveyors be notified that Messrs. Metropolitan Vickers' reply to the point raised in the Secretary's letter of the 17th instant, regarding independent fusing of alarm circuits is noted.

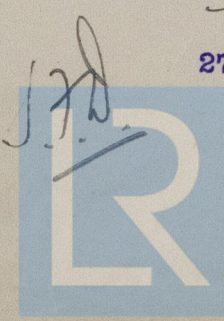
The desirability of the Firm's previous practice depends on the circumstances of each particular application and may in some cases become dangerous. The resistance of the leads between the alarm devices and the fuse, the length of the run, and the capacity of the heavy current fuse are determining factors. A partial short circuit in an alarm device or even a total short circuit at the alarm terminals may, if the resistance of the leads be sufficient, cause the latter to be overheated or burnt out before blowing the fuse.

The capacity of the cable is probably much in excess of the requirements of the alarm circuit and it is suggested that a fuse equal to the capacity of the cable would give all the protection required without introducing unnecessary risk of failure of the essential circuits. It is recommended the matter be reviewed on these lines and particulars supplied as to the size and length of cable in these circuits and the capacity of the fuse proposed.

The plans were returned in this instance and the Surveyors should be requested to re-submit them with their reply. It should also be pointed out that plans should invariably be submitted in duplicate so that one set can be retained in the London Office for reference.

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