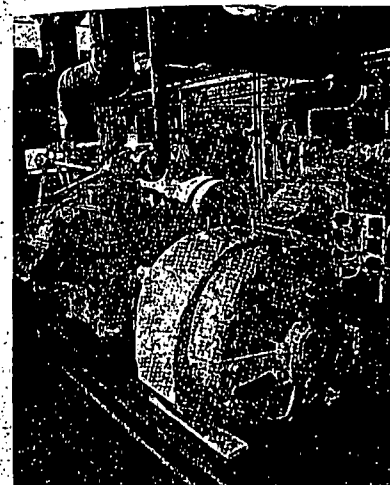
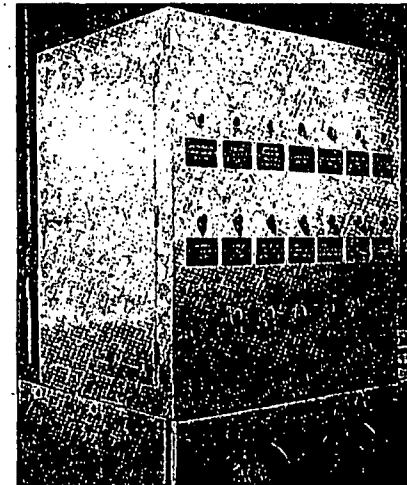




ALL QUIET in unattended refrigeration plant. Relays will shut down machines and send signal if . . .



... TROUBLE POPS in machines or piping . . .



... FLASHING LAMP in ADT office and plant

FAULTS THAT FLASH A SIGNAL TO ADT

These Defects Shut Down Complete Plant

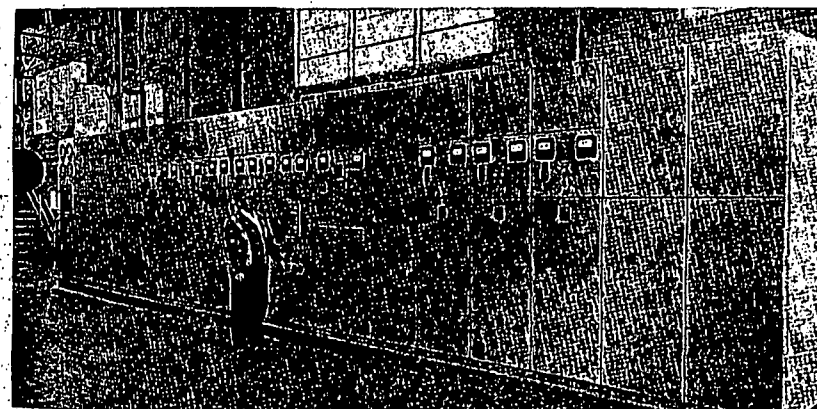
- Leak in brine system drops liquid level to trip float switch
- Drop in brine temperature operates detector in cooler head
- Failure of cooling water flow sets off pressure-control relay
- Interruption of dc feed to motors drops out voltage relay
- Excessive refrigerant pressures operate high-pressure cutouts

These Defects Shut Down Individual Machines

- Rise in ammonia level, in accumulators of blast freezer, brine cooler and ammonia-cooled intercooler, trips relays
- Drop in lube pressure operates compressor oil-failure switch
- High temperature in blast-freezer room sets off thermostat

By NILS R. BERNZ
Vice President and Director of Engrg.
Merchants Refrigeration Co.

Here is another milestone in the trend toward automatic plant operation. Merchants' refrigeration warehouse in Hopkins, Minn. can be left unattended for long periods with relays keeping constant watch. Trouble flashes lamp in the ADT control office. Experience shows . . .



PLANT OPERATOR, called by ADT, clears trouble, then puts machines back in operation

...Unattended Plant Runs Smooth With Remote Signals