

	FILE INFORMATION: DIVISION TAB-TRANE REFRIGERATION PRODUCTS PRODUCT TAB-RECIPROCATING COM- PRESSOR-CONDENSER UNITS MODEL TAB-HERMETIC M-R LITERATURE ITEM-SERVICE BULLETIN	LITERATURE FILE NO. HCOM-SB-31
		GENERAL SERVICE BULLETIN

Since the Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. The installation and servicing of the equipment referred to in this booklet should be done by qualified, experienced technicians.

8/14/79
 REVIEWED 7/1/81

SUBJECT: ROBERTSHAW MOTOR PROTECTOR MODEL MP23, NUISANCE LOCKOUTS

INTRODUCTION:

The purpose of this service bulletin is to discuss nuisance lockouts of the Robertshaw Model MP23 motor protector relay - Trane part number RLY-545.

DISCUSSION:

Field investigation of nuisance lockout problems with the MP23 control have shown the device to be sensitive to external electro-mechanical noise interference. Noise interference (voltage spikes) can be created by the energizing and deenergizing of electro-mechanical devices such as liquid line solenoid valves, compressor solenoid unloader valves, anti-cycle timers, etc.

CORRECTIVE ACTION:

When it has been determined, by following the troubleshooting procedures outlined in service bulletin HCOM-SB-30, that the motor protector is causing nuisance lockouts, it should be replaced with a new style MC20 control along with a fuse assembly and time delay relay. See service bulletin HCOM-SB-25 for details concerning the new style MC20 motor protector.

When using the MC20 control with an internal oil pressure timing circuit to replace a MP23 control, terminals P1-P2 should be jumpered.

Field tests of the MC20 control have shown it to be unaffected by external electrical noise interference. The MC20 controls have built-in noise suppression filtering which adequately protects the module and prevents nuisance opening of the M1-M2 contact from noise interference.