



PULSE MONITORING TRIP CARD

IC4484A424—24-48 VOLTS

IC4484A426—72 VOLTS

FUNCTION

The Pulse Monitoring Trip Card is designed to shut down an SCR control on two types of faults as follows:

- (1) 1A CONTACTOR POWER TIPS FAIL TO OPEN

Battery negative is applied to point 2 of the Pulse Monitoring Trip Card through T2-T1 if 1A fails to open. If the fault does not clear within approximately 0.1 second, the Pulse Monitoring Card operates, removing power by dropping out the F or R contactor.

- (2) SCR FAILURE WHICH CAUSES FULL MOTOR TORQUE

The SCR turns on and stays on continuously, causing essentially battery negative to be applied to point 2 of the card, similar to (1) described above. If such an SCR control misoperation occurs, the Pulse Monitoring Trip Card operates, removing power by dropping out the F or R contactor.

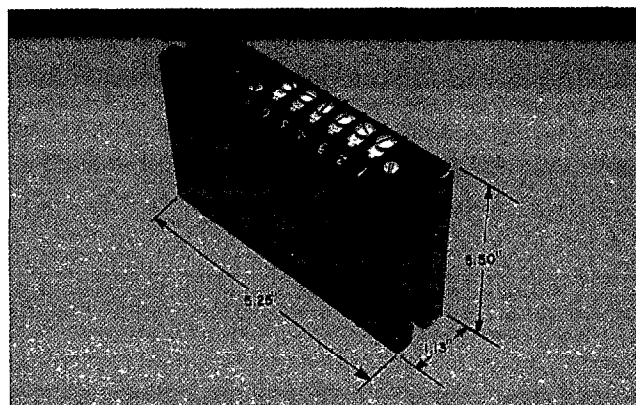


Fig. 1. IC4484 Pulse monitoring trip card

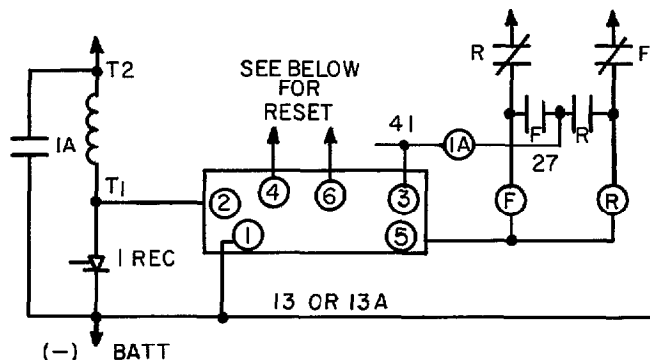


Fig. 2. Typical circuit

TESTING

Jack the drive wheels up and operate the control in SCR range. Using an insulated tool, manually close the 1A contactor, and the Pulse Monitoring Trip Card should operate. If the Pulse Monitoring Trip Card fails to operate, check all wiring to the Pulse Monitoring Trip Card.

If all tests are good and the Pulse Monitoring Trip Card fails to operate, replace the card.

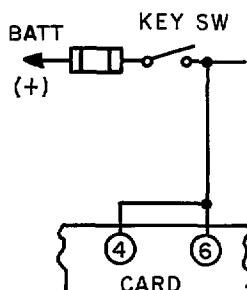


Fig. 3A.
Key switch reset

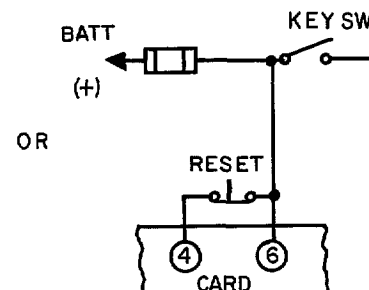


Fig. 3B.
Push button reset

The information contained herein is intended to assist truck users and dealers in the servicing of control furnished by the General Electric Company. It does not purport to cover all details or variations in equipment or provide for every possible contingency to be met in connection with installation, operation or maintenance.

Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the truck manufacturer through his normal service channels, not directly to General Electric Company.

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