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TEE
24175 Research Dr.
Farmington Hills, MI 48335-2642
Tel 248.478.7210
Fax 248.699.4241

RE: Certification for Chrysler RFHM SKIM/RKE Internal/External Antenna 434MHz without LF Antenna

Model #: 229145-101, -102, -104, -108, -111, -115, -116
FCC ID: GQ4-46R
Canada IC: 1470A-18R

GENERAL DESCRIPTION

The RFHM receiver is used to demodulate and decode RF transmissions from the up to 8 Remote Keyless Entry transmitters (Fobiks).

The RFHM communicates with other ECU's in the vehicle via a 500kHz CAN-B bus.

The RFHM communicates with the ignition module via a LIN2 bus.

The RFHM has provisions for up to 5 discrete inputs and 4 discrete outputs. These I/O are very low frequency (eg. transition only on ignition on/off), and vary wetting current between 10mA and 5A. Depending on the configuration of the vehicle, 0 to 4 discrete outputs and/or 0 to 3 discrete outputs may not be populated on the RFHM.

PRINCIPLES OF CIRCUIT OPERATION

Refer to the Block diagram for Circuit operation:

Connector 1 - Tyco 174053-2

Connector 2 - Tyco 175975-2

