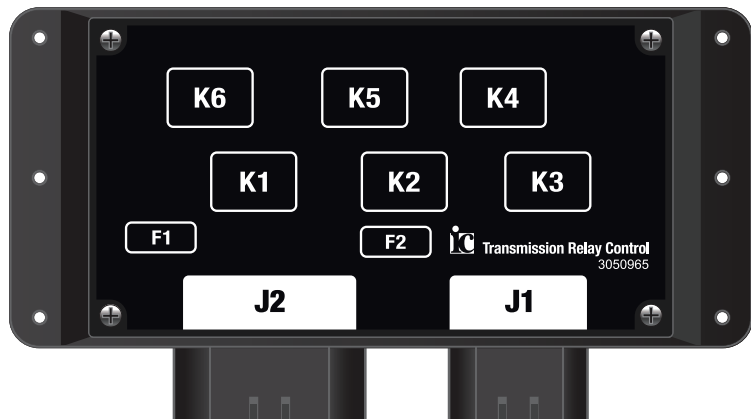




Transmission Control Module 3050965



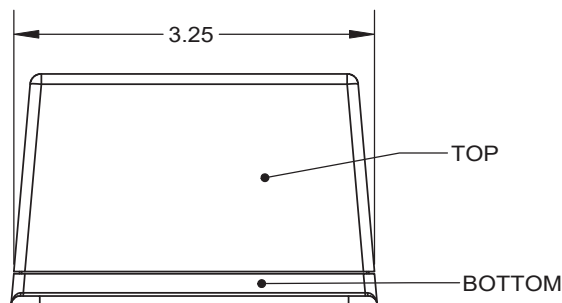
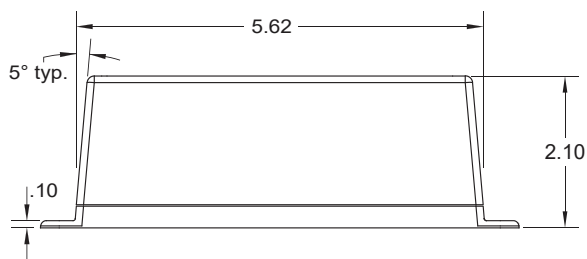
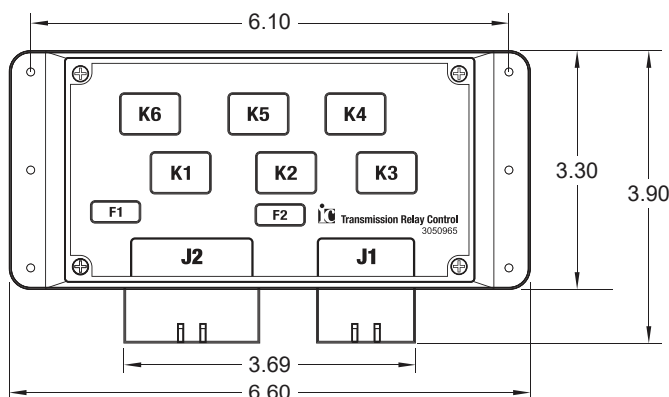
TRANSMISSION CONTROLS IN A COMPACT DESIGN

The Innovative Controls Transmission Relay Control Module (TRCM) is used to interface heavy truck transmissions with a vehicle's electrical system. The TRCM contains battery and ignition fuses, and six relays that are controlled by the transmission status.

FEATURES

- 6 Relays with 35A normally open and 20A normally closed switch contacts
- Coil circuit transient suppression diodes
- 6.6" x 3.9" x 2.1" ABS plastic enclosure
- IP65 ingress protection with 6X #4 mounting screws
- TE Connectivity 14 pin Ampseal 1-776267-1 transmission ECU connector
- TE Connectivity 23 pin Ampseal 1-776087-1 vehicle circuits connector
- Battery and ignition circuit fuses included
- Vehicle speed sensor signal filter

DIMENSIONS



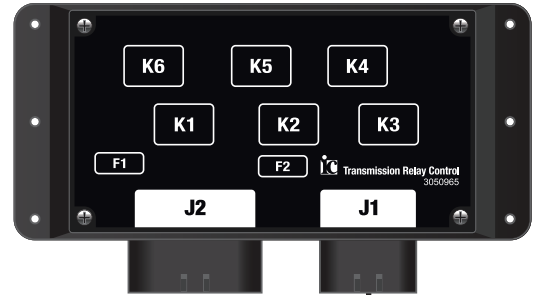
TECHNICAL SPECIFICATIONS

Operating Voltage	8 TO 18 VDC
Current Consumption	115mA per active relay coil
Operating Temperature	-40C TO +85C (-40F TO +185F)
Storage Temperature	-40C TO +85C (-40F TO +185F)
Ingress Protection	IP65 ABS plastic enclosure
Electrical Protection	Transient suppression diodes on all relay coil circuits. 10A Battery fuse / 10A Ignition fuse
Inputs	Battery power Ignition power Vehicle speed signal (3) Switch to ground relay controls (1) Switch to power relay controls Reverse relay control Neutral relay control
Outputs	Battery power fused Ignition power fused Vehicle speed signal unfiltered Vehicle speed signal filtered (3) Switch to ground controlled relay contacts (1) Switch to power controlled relay contacts Reverse relay control Neutral relay control
Dimensions	6.6" x 3.9" x 2.1"

CONNECTOR J1 - TRANSMISSION TCU INPUTS

AMPSEAL 1-776267-1 CONNECTOR / MATES WITH AMPSEAL 776273-x PLUGS

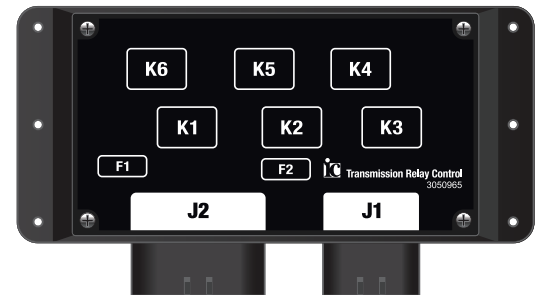
Pin	Description
1	104 - SWITCH TO GROUND OUTPUT FUNCTION
2	145 - SWITCH TO GROUND OUTPUT FUNCTION
3	124 - SWITCH TO GROUND OUTPUT FUNCTION
4	165 - REVERSE WARNING
5	163 - IGNITION POWER FUSED
6	130 - SWITCH TO POWER OUTPUT FUNCTION
7	141 - NEUTRAL START
8	125 - VEHICLE SPEED
9	169 - BATTERY GROUND
10	109 - BATTERY GROUND
11	170 - BATTERY POWER FUSED
12	110 - BATTERY POWER FUSED
13	(NOT USED)
14	(NOT USED)



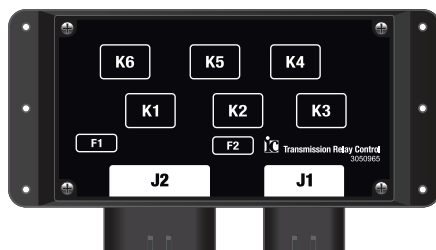
CONNECTOR J2 - VEHICLE CIRCUIT OUTPUTS

AMPSEAL 1-776087-1 CONNECTOR / MATES WITH AMPSEAL 770680-x PLUGS

Pin	Description
1	304 N.C. – RELAY 1, INSTALLER SELECTED FUNCTION
2	304 N.O. – RELAY 1, INSTALLER SELECTED FUNCTION
3	304 COM – RELAY 1, INSTALLER SELECTED FUNCTION
4	345 N.C. – RELAY 2, INSTALLER SELECTED FUNCTION
5	345 N.O. – RELAY 2, INSTALLER SELECTED FUNCTION
6	345 COM – RELAY 2, INSTALLER SELECTED FUNCTION
7	324 N.C. – RELAY 3, INSTALLER SELECTED FUNCTION
8	324 COM – RELAY 3, INSTALLER SELECTED FUNCTION
9	363 - IGNITION POWER INPUT
10	365 N.O. – RELAY 4, REVERSE WARNING
11	365 COM – RELAY 4, REVERSE WARNING
12	330 N.C. – RELAY 5, INSTALLER SELECTED FUNCTION
13	330 N.O. – RELAY 5, INSTALLER SELECTED FUNCTION
14	330 COM – RELAY 5, INSTALLER SELECTED FUNCTION
15	325 - VEHICLE SPEED UNFILTERED
16	341 N.O. – RELAY 6, NEUTRAL START
17	341 COM – RELAY 6, NEUTRAL START
18	(NOT USED)
19	369 - BATTERY GROUND INPUT
20	309 - BATTERY GROUND
21	310A - BATTERY POWER INPUT
22	310B - BATTERY POWER INPUT
23	325 - VEHICLE SPEED FILTERED

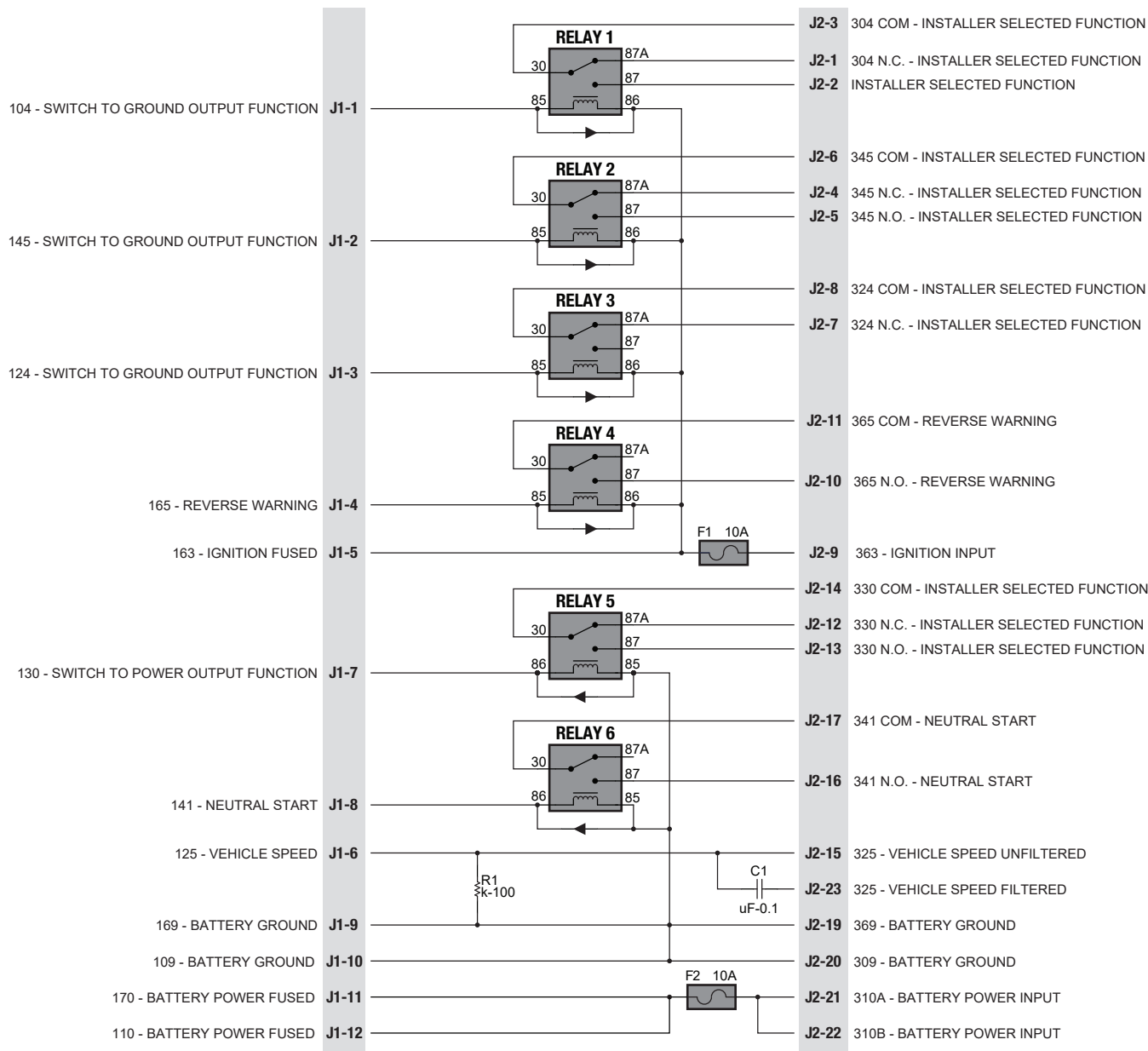


SCHEMATIC DIAGRAM



J1 - FROM TRANSMISSION TCU

J2 - TO VEHICLE CIRCUITS



AMPSEAL 1-776267-1
MATES WITH AMPSEAL 776273-n PLUGS

AMPSEAL 1-776087-1
MATES WITH AMPSEAL 770680-n PLUGS

