IMPORTANT: THIS DRAWING IS INTENDED AS A GENERAL REFERENCE FOR ANY VEHICLE WITH OR INTENDING TO HAVE A PCS "INDUSTRIAL ELECTRONIC SHIFTER" PACKAGE INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING FEATURES:

- DIRECT PHYSICAL REPLACEMENT TO THE TRADITIONAL GSE MECHANICAL SHIFTERS.
- CONFIGURABLE "NEUTRAL-LOCK" RATED FOR 890N (200LB) KNOB LOAD DURING "SHIFT-INHIBIT" CONDITIONS.
- DESIGNED AND TESTED FOR INDUSTRIAL ENVIRONMENTS.
- INGRESS PROTECTION RATING OF IP66.
- TEMPERATURE RATING OF -40 TO 85°C (-40 TO 185°F).
- BUILT IN (LED ILLUMINATED) RANGE POSITION LIGHTS.
- BUILT IN (LED ILLUMINATED) TRANSMISSION DIAGNOSTIC LIGHT (ALSO PROVIDES J1939 DIAGNOSTIC CODES).
- BUILT IN NEUTRAL-SAFETY SWITCH (RELAY 1, CAN BE PROGRAMMED FOR OTHER APPLICATIONS).
- BUILT IN BACKUP LIGHT CONTROLLER (RELAY 2, CAN BE PROGRAMMED FOR OTHER APPLICATIONS).
- AVAILABLE FORWARD / NEUTRAL / REVERSE OUTPUTS FOR RANGE NOTIFICATION TO OTHER VEHICLE SUB-SYSTEMS.

A PCS GENIII (3) VALVEBODY, PCS TRANSMISSION CONTROLLER, AND PCS APPROVED CALIBRATION ARE REQUIRED TO OPERATE THE 4LHD TRANSMISSION UNDER WARRANTY. CONSULT PCS FOR OTHER TRANSMISSION APPLICATIONS.

THE NEUTRAL-LOCK FEATURE WILL PREVENT THE SHIFT LEVER FROM LEAVING NEUTRAL (AND THUS THE TRANSMISSION) DURING UNSAFE SHIFTING CONDITIONS AND LOSS-OF-12V-POWER. ATTEMPTING TO BYPASS THIS FEATURE ELECTRONICALLY OR PHYSICALLY WILL VOID THE WARRANTY.

THE SYSTEM REQUIRES SWITCHED IGNITION, 5-32V DC, PROTECTED BY ITS OWN 10A FUSE (RELAYS EXEMPT AND REQUIRE THEIR OWN 10A FUSES). ELECTRICAL CONNECTIONS BETWEEN THIS SYSTEM AND THE POWER SOURCE MUST BE SECURELY FASTENED USING AN APPROVED CONTACT METHOD.

THE SHIFTER IS TO BE SECURELY FASTENED TO THE VEHICLE BODY WITH A MINIMUM TWO OF THE 1/4-20" MOUNTING HOLES. FURTHER FEATURES CAN BE ENABLED OR DISABLED WITH THE CALIBRATION, CONTACT PCS FOR CALIBRATION ASSISTANCE.

REMINDER: RIGHT HAND SETUPS (SUCH AS IES2030) ARE THE MOST COMMON IN GSE VEHICLES.

CONSULT PCS ENGINEERING FOR HIGHER RELAY CURRENT APPLICATIONS UP TO 15 AMPS.