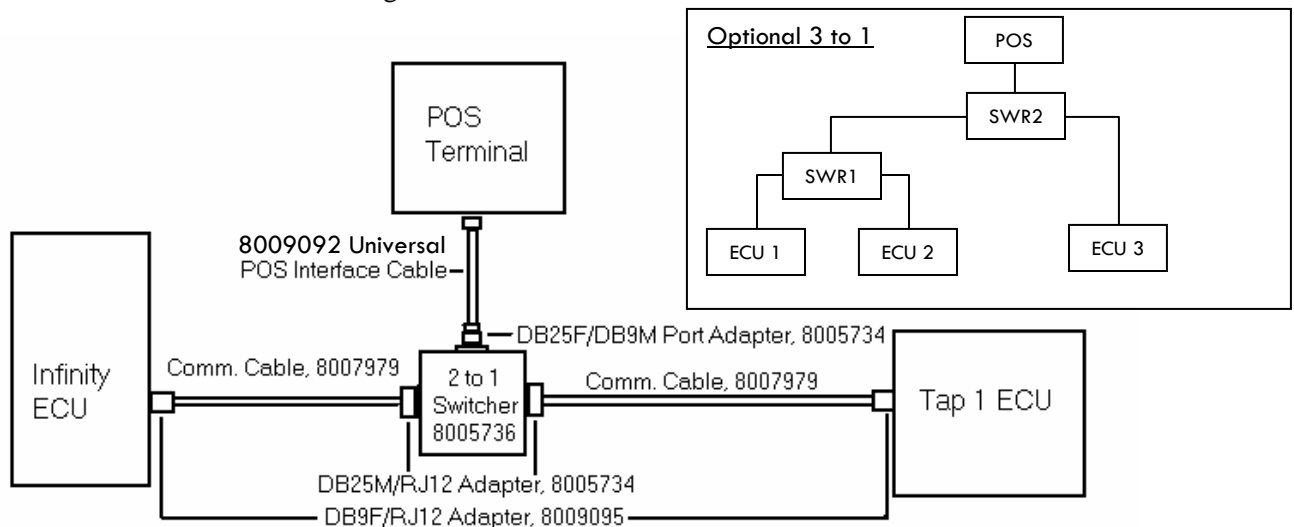# BERG COMPANY, LLC

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INSTALLATION INSTRUCTIONS
AUTO SWITCHER FOR SERIAL COMMUNICATIONS

This package (8005740) includes:
1) one 2 to 1 switcher (8005736);
2) one DB25F/DB9M port adapter (8005734) to connect the switcher to the POS terminal using the POS interface cable; and
3) two DB25M/RJ12 adapters (8009171) and two DB9F/RJ12 adapters (8009095) to connect the switcher to the Berg ECUs using standard Berg communication cable.

Please note that the interface cable is supplied separately, either by Berg (8009092) or by the POS terminal provider, depending upon which POS terminal is being used. Also, the modular RJ-12 connectors, 8006987, and the Berg standard communication cable, 8007979, are not included.

NOTE: THE POS INTERFACE CABLE MUST BE PLUGGED IN LAST.

The picture above shows an Infinity ECU and a Tap 1 ECU connected via the switcher to a POS terminal. Since the switcher simply routes two serial communications channels to one port it could just as easily connect two Tap 1 ECUs or two Infinity ECUs to one terminal. Also, with two switchers you could use one switcher to connect two ECUs to a second switcher, and then use the second switcher to connect those two ECUs and a third ECU to a single POS terminal. See optional 3 to 1 diagram above.

DISTANCE LIMIT
The maximum distance specification for the RS-232 communications protocol used by Berg and the POS terminal is 50 feet. Therefore the maximum distance from the POS terminal to any single ECU is 50 feet.

SPEED VARIATIONS
The 2 to 1 switcher is a generic off the shelf device which Berg buys from a catalog and then modifies to decrease switching delays. Since we do not control the origin of these devices nor the design we cannot precisely control the switching speed. Therefore if two pour requests occur at the same time one of them will be delayed anywhere from a fraction of a second up to 2 seconds.